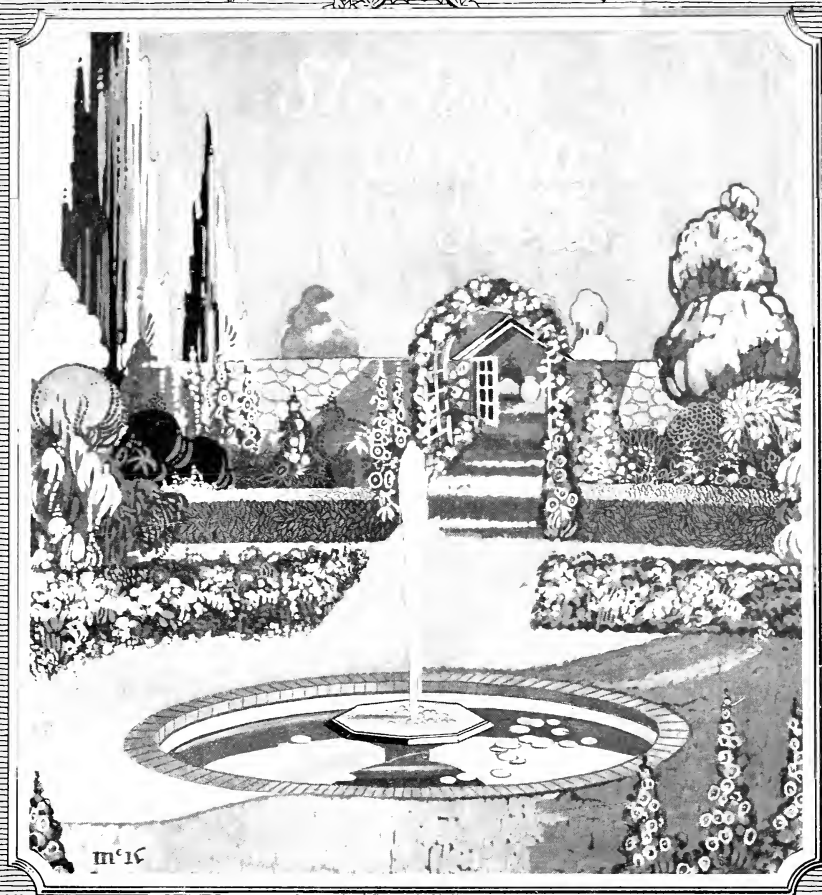


## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.





Formal Garden, Ram Island Farm  
Cape Elizabeth, Maine.

ALLEN, STERLING & LOTHROP

49 Exchange Street - 64 Market Street  
Portland, Maine.

## *Information and Suggestions to Customers*

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*What are "Sterling Quality" Seeds?* "Sterling Quality" Seeds are the very best Seeds that money can buy—"Sterling Quality" Seeds are tested—"Sterling Quality" Seeds are true to name—"Sterling Quality" Seeds are clean and neatly packed. Send us your order early, *now!*

- Caution* "Sterling Quality" Seeds are the highest grade obtainable and intended for the *particular* market gardener, florist and individual. *We do not sell to dealers.* "Sterling Quality" Seeds can be procured only directly from us.
- Free Delivery* We deliver "Sterling Quality" flower and vegetable seeds *free* to any address in the United States when purchased by the *packet, ounce, half pound and pound.*
- Orders* Should be written on our order sheet or on a blank sheet separate from letter, preferably in ink. *Be sure to sign your name and give your address.*
- Remittances* Can be safely sent by Bank Check, Post Office Order, Registered Letter or Express Money Order. Postage Stamp remittances taken in amounts less than \$1.00.
- New Customers* Will kindly remit the amount with their orders, or name business references, as customary before opening new accounts.
- Market Gardeners* *Farmers' Clubs and Institutions* purchasing Seeds in large quantities should write for special prices. Send a list of quantities and varieties required and we will return list promptly with quotations.
- No Charge for Packing* But bags billed at cost. If returned in good condition free of expense, they will be credited at price charged.
- Telephone Orders* Will be given immediate attention. Call Portland <sup>624</sup>  
625
- Non-Warranty* There are many contingencies constantly arising to prevent the best seeds from giving satisfaction. We aim to supply only the best quality of seeds and to be as represented; but it is impossible to guarantee seeds under all circumstances. We give no warranty, expressed or implied, as to description, quality or productiveness of any seeds, bulbs or plants, and will not in any way be responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

ALLEN, STERLING & LOTHROP  
PORTLAND, MAINE

For Index of the Contents of this Catalogue, see inside back cover

## Post Office Department

No. \_\_\_\_\_

THIRD ASSISTANT POSTMASTER GENERAL

Stamp of Issuing Office

DIVISION OF MONEY ORDERS

The Postmaster  
will insert

here \_\_\_\_\_  
 the office drawn on, when the office named by the  
 remitter in the body of this application is not a Money Order Office.

Spaces above this line are for the Postmaster's record, to be filled in by him

## Application for Domestic Money Order

Spaces below to be filled in by purchaser, or, if necessary,  
 by another person for him

Amount

\_\_\_\_\_ Dollars \_\_\_\_\_ Cents

Pay to } **ALLEN, STERLING & LOTHROP**  
 Order of }

(Name of person or firm for whom order is intended)

Whose }  
 Address } **49 Exchange** Street  
 is }

Post } **Portland,**  
 Office }

State **Maine**

Sent by \_\_\_\_\_  
 (Name of Sender)

Address }  
 of }  
 sender } No. \_\_\_\_\_ Street

PURCHASER MUST SEND ORDER AND COUPON TO PAYEE

c5-7155

From \_\_\_\_\_

Allen, Sterling &amp; Lothrop

"Sterling Quality Seeds"

PORTLAND

49 EXCHANGE ST.

MAINE



## Fees for Money Orders drawn on Domestic Form

Payable in the United States, including Hawaii, Porto Rico, and Virgin Islands, U. S. (late Danish West Indies), or in its possessions, embracing the Canal Zone, Guam, the Philippine Islands, and Tutuila (Samoa), or at the United States Postal Agency at Shanghai (China); also for orders payable in Bermuda, British Guiana, British Honduras, Canada, Cuba, and Newfoundland, and the following islands in the West Indies: Antigua, Bahamas, Barbados, Dominica, Grenada, Jamaica, Martinique, Montserrat, Nevis, St. Kitts, St. Lucia, St. Vincent, Trinidad and Tobago, and Virgin Islands (British).

<b>For Orders From</b>	<b>\$0.01 to</b>	<b>\$2.50.....</b>	<b>3 cents.</b>
	<b>From \$2.51 to</b>	<b>\$5.00.....</b>	<b>5 cents.</b>
	<b>From \$5.01 to</b>	<b>\$10.00.....</b>	<b>8 cents.</b>
	<b>From \$10.01 to</b>	<b>\$20.00.....</b>	<b>10 cents.</b>
	<b>From \$20.01 to</b>	<b>\$30.00.....</b>	<b>12 cents.</b>
	<b>From \$30.01 to</b>	<b>\$40.00.....</b>	<b>15 cents.</b>
	<b>From \$40.01 to</b>	<b>\$50.00.....</b>	<b>18 cents.</b>
	<b>From \$50.01 to</b>	<b>\$60.00.....</b>	<b>20 cents.</b>
	<b>From \$60.01 to</b>	<b>\$75.00.....</b>	<b>25 cents.</b>
	<b>From \$75.01 to</b>	<b>\$100.00.....</b>	<b>30 cents.</b>

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### Memoranda of Issuing Postmaster:

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**NOTE.**—The maximum amount for which a single Money Order may be issued is \$100. When a larger sum is to be sent additional Orders must be obtained. Any number of Orders may be drawn on any Money Order office on any one day. Applications must be preserved at the office of issue for three years from date of issue.

(EDITION FEB., 1920.)

c5-7155





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<p>Is the Address on the envelope enclosing this Catalog correct?</p>	<p>If Duplicate Copies of our Catalog come to your home what name should be stricken from our list?</p>
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NAME	POST OFFICE	COUNTY	STATE

# 1923 Catalogue of "Sterling Quality" Seeds

[GARDEN, FIELD, FLOWER AND LAWN]

*also* Barn Equipment, Separators, Sprayers, Insecticides, Farm and Garden Tools, Poultry and Dairy Supplies, Plants, Bulbs, Fertilizers, Etc.

## *Our 1923 Cover*

This beautiful garden scene is at Ram Island Farm, Cape Elizabeth, Maine. The farm is owned by the Phineas Sprague Corporation and is the hobby and pride of Mr. Sprague.

The garden pictured is a view of the formal flower and vegetable garden in which the vegetables are grown in beds surrounded by flowers which is the English custom of planting.

The farm comprises about 300 acres and is stocked as probably no other farm in New England. A wonderful herd of pure bred Guernseys supplies the rich milk and cream for the modern dairy which is presided over by a force of young women who have had special college training for their work. The up-to-date poultry plant, sanitary piggery, greenhouses, deer park, enclosures containing innumerable species of wild fowl and tropical birds,—all these bring exclamations of surprise and delight from the visitor.

Originally purchased twelve years ago, Mr. Sprague has developed the property until it is really one of the show places of New England. Guests are admitted at stated times and shown every courtesy by the management. The superintendent is Mr. Carl Anderson and his efficient work is shown in the development of this wonderland.



## Allen, Sterling & Lothrop

49 Exchange Street and 64 Market Street  
Portland, Maine

## "A. S. & L." NOVELTIES AND SPECIALTIES

### FLOWER SEEDS

#### NEW EARLY FLOWERING SPENCER SWEET PEAS

- Early Grenadier.** This is the most brilliant Sweet Pea yet introduced. A true early, everblooming type, of robust habit. The color may best be described as a glowing poppy scarlet, a wonderful addition to the new group of Early Flowering Spencers. 15c. per pkt., 2 pkts. 25c., \$1.00 per oz.
- Early Fair Maid.** The finest early blush pink of robust growth, with long stems. 15c. per pkt., 2 pkts. 25c., \$1.00 per oz.
- Early Irene.** This is an Early Lavender Florence Nightingale, a very fine bluish lavender and is especially recommended to all who prefer a clear lavender without mauve in it. 15c. per pkt., 2 pkts., 25c., \$1.00 per oz.
- Early Fancy.** This is an Early Margaret Atlee, but is much superior, the blooms being larger and finer in every respect. The color is pale salmon pink on cream ground deeply overlaid with buff. 15c. per pkt., 2 pkts. 25c., \$1.00 per oz.
- Early Madonna.** This is an Early Constance Hinton and without doubt the finest White Sweet Pea that has been introduced, unlike other black seeded varieties it has no trace of a pink tinge. It produces flowers of the largest size on long stems. 15c. per pkt., 2 pkts. 25c., \$1.00 per oz.

#### NEW EXTRA EARLY FLOWERING DOUBLE COSMOS

They grow to a height of about three feet, forming a perfect bush massed with bloom, bearing beautiful double flowers of good size on long stems; they come about seventy-five per cent double from seed. They bloom in seventy days from the day seed is sown, and continue until cut down by frost.

- Early Flowering Double Crimson, Early Flowering Double Pink, Early Flowering Double White.** 25c. per pkt.
- Eschscholtzia Scarlet Beauty.** This is one of the brightest colors in Eschscholtzias, it being a deep scarlet and as the plants are very erect, it has the appearance when in bloom of a vivid scarlet tulip. 15c. per pkt., 2 pkts. 25c.
- Eschscholtzia Tango.** Bronzy red overlaid terra cotta. Very attractive. 15c. per pkt., 2 pkts. 25c.
- Eschscholtzia Hybrida Grandiflora Mixture.** New large flowering erect type containing a large percentage of new colors in Eschscholtzias and includes soft pink, scarlet, chrome, copper red, mauve, claret and royal purple. When in bloom this mixture is most gorgeous. 10c per pkt., 3 pkts. 25c.
- Gypsophila (Baby's Breath).** Paniculata, fl. pl. Double white flowers; will bloom the first season if sown early; fine for bouquets; hardy perennial. 10c. per pkt., 3 pkts. 25c.

## “A. S. & L.” NOVELTIES AND SPECIALTIES — Cont.

### FLOWER SEEDS

#### LARKSPUR

**Double Stock Flowered Tall “Exquisite.”** An excellent variety for cutting or garden decoration, growing 2½ to 3 feet. The color is a beautiful soft pink. Hardy annual. 15c. per pkt., 2 pkts. 25c.

#### A NEW SHIRLEY POPPY OF MERIT

**“American Legion.”** This new single Shirley is a dazzling orange scarlet of enormous size, borne on long stout stems. The plants are of very erect robust growth. 15c. per pkt., 2 pkts. 25c.

#### SCHIZANTHUS (BUTTERFLY FLOWER)

One of the finest hardy annual plants of easy culture in any good garden soil.

**Hybridus Grandiflorus.** Plants are of compact and pyramidal habit, covered with large blooms and a variety of colors. 15c. per pkt., 2 pkts. 25c.

#### GIANT DAHLIA FLOWERED ZINNIA

A wonderful improvement in Zinnias, the flowers being as large as Dahlias. The plants of this variety are very strong and rugged, growing to a height of about three feet.

**Crimson Monarch.** By far the largest and best of the red shades. Flowers often eight inches in diameter.

**Dream.** A fine deep lavender, turning to purple. A new, desirable shade in Zinnias.

**Exquisite.** Color light rose with center a deep rose.

**Golden State.** A very rich orange yellow. Yellow in the bud, turning to an attractive orange when in full bloom.

**Oriole.** Considered the most beautiful of its class. It is an immense orange and gold bicolor.

**Polar Bear.** A very large pure white, the best white yet seen in Zinnias. True Dahlia form.

**Scarlet Flame.** A large, beautiful, bright scarlet, with a delightful blending of orange throughout the petal.

**Sunrise.** A combination of pleasing apricot shades. Large flowers of good form.

Any of the above, 25c. per pkt., 5 for \$1.00.

**Special Mixture.** Pkt. 20c., 3 pkts. for 50c.

# "A. S. & L." NOVELTIES AND SPECIALTIES—Cont.

## VEGETABLE SEEDS

### "A. S. & L." MUSK MELON

A very large variety, thickly netted, deeply ribbed, flesh salmon-yellow, thick and sweet. A great yielder. It ripens from 70 to 80 days from time of planting.

Pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.50.

### WASHINGTON ASPARAGUS

A rust resistant variety of vigorous growth and excellent quality. The tips are tight and firm and do not open out until well out of the ground. Recommended for the home and market garden.

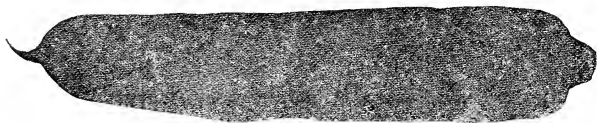
Seeds—Pkt. 15c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.25.

Roots—(Two-year old roots) 75c. per doz., \$3.00 per 100.

### EARLY WONDER BEET

A fine early variety, the market gardener's favorite on account of its symmetrical form, dark color, small top and early maturity.

Pkt. 10c., oz. 20c., 2 oz. 35c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.



HUTCHINSON CARROT

### CARROT

**Hutchinson.** A carrot of great length and cylindrical shape almost to the point, grows with tops slightly out of ground, a very heavy yielder per acre. Small circle of green on top of root out of ground portion.

Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

**Bagley.** Popular New England sort, Hutchinson type without green top; a carrot that grows all under ground.

Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

### KING OF DENMARK SPINACH

The leaves are dark green, very thick and crumpled, and of good quality. Remains in good condition two to three weeks longer than any other variety before running to seed.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.



A. S. & L. MUSK MELON

### GOLDEN ACRE CABBAGE

A First-Early variety of the round-headed type, on the order of the "Copenhagen Market." A remarkably quick maturing Cabbage. It is ready to cut from 8 to 10 days sooner than the Copenhagen Market. The head is a little smaller than that of the Copenhagen Market, and the leaves also are a little smaller. It is wonderfully true to type.

Pkt. 20c., oz. \$2.00.

### JAPANESE ONION SETS

This onion will actually double the yield of any other onion set on the market. It throws no seed stalks; is the best keeper and best flavored onion grown. One customer reported ninety bushels of onions grown from one bushel of sets.

Lb. 30c., 8 lbs. \$1.50, 32 lbs. \$5.00.

If sent by mail add 5c. per lb.

**Pimento Pepper.** A very thick fleshed sweet variety, uniform in shape and size. Color dark green changing to a brilliant red. Very desirable for salads on account of its fine flavor and superior quality.

Pkt. 10c.,  $\frac{1}{2}$  oz. 25c.,  $\frac{1}{4}$  lb. \$1.25.

**Blue Hubbard Squash.** Flesh fine-grained, dry and excellent flavor, a good keeper.

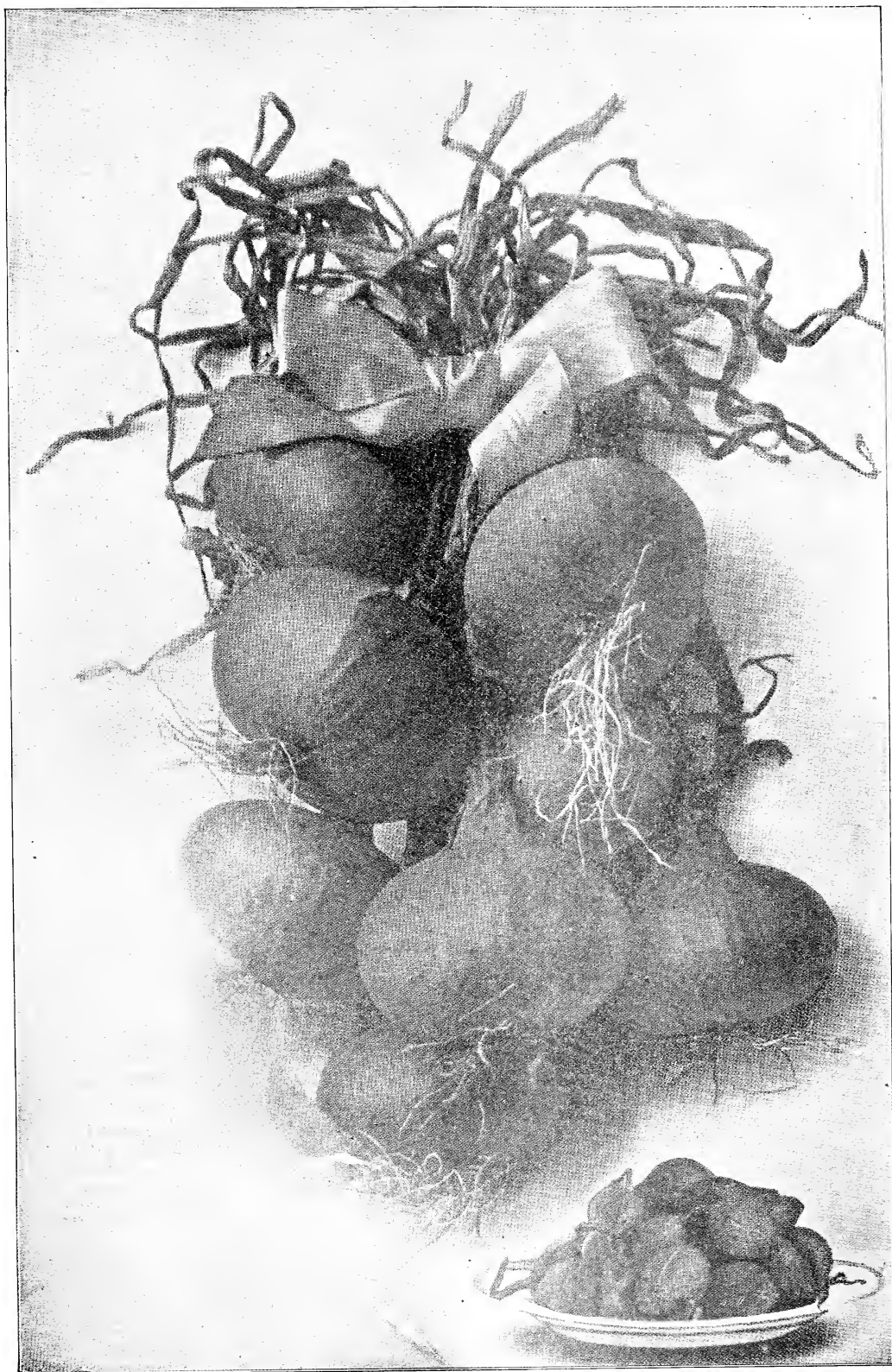
Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. 90c., lb. \$3.00.

**Avon Early Tomato.** A new extra early scarlet fruited variety. The fruits are large and smooth, free from cracks and of fine quality. A valuable addition for the market gardener or home garden.

Pkt. 15c.,  $\frac{1}{2}$  oz. 60c., oz. \$1.00.

**Early  
Wonder  
Beet**





**JAPANESE ONION SETS—(see page 15)**

## GENERAL LIST OF SELECT VEGETABLE SEEDS

WE PREPAY POSTAGE OR EXPRESS CHARGES ON ALL SEEDS ORDERED BY THE PACKET,  
OUNCE, QUARTER POUND OR POUND.

### ASPARAGUS

Sow the seeds thinly in April or May in rows one foot apart and one inch deep; when the plants are well up, thin to 3 or 4 inches apart in the rows.

The next season plant in rows 3 feet apart and 1 foot in the rows, covering the plants about 6 inches.

The soil should be thoroughly manured and trenched, at least 2 feet.

One ounce will sow 50 feet of drill.

**Columbian Mammoth.** A large white variety of fine flavor. Pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 75c.

**Conover's Colossal.** A standard sort of large size and excellent quality. Pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 75c.

**Early Giant Argenteuil.** An early variety, being ten days earlier than the Palmetto, of larger size and superior flavor. One of the finest sorts in cultivation. Pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 75c.

**Palmetto.** A standard light green variety. Pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 75c.

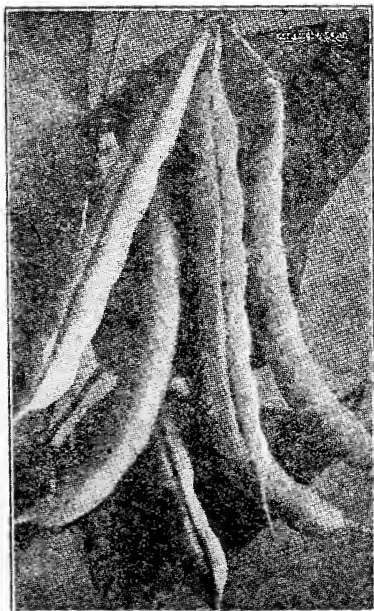


ASPARAGUS

### BEANS, Dwarf or Bush

Plant in light, warm soil in the spring, when danger from frost is past, in drills from 2 to 3 feet apart, covering about 2-inches deep. Sow every two weeks for a succession. Cultivate frequently until they blossom, but only when dry.

If wanted by Parcel post, add at the rate of 6c. per qt.



BURPEE'S STRINGLESS  
GREEN-POD

### BEANS, Green Podded

**Bountiful.** Early and prolific, flat green pods, cook tender. Pkt. 15c., pt. 30c., qt. 50c.,  $\frac{1}{2}$  pk. \$1.75.

**Burpee's Stringless Green Pod.** Combines unusual hardness, extreme earliness and wonderful productiveness. The pods are tender, brittle and of the finest flavor; always entirely stringless. Pkt. 15c., pt. 30c., qt. 50c.,  $\frac{1}{2}$  pk. \$1.75.

**Burpee's Improved Bush Lima.** Compared with Burpee's Bush Lima, both pods and beans are very much larger, while the beans, either green or dry, are nearly twice as thick and ready to market eight to ten days earlier. Pkt. 20c., pt. 35c., qt. 65c.,  $\frac{1}{2}$  pk. \$2.50.

**FRENCH'S DWARF HORTICULTURAL.** This is a bean of the Horticultural type. Pods remarkably large, many containing seven beans, beautifully splashed with bright crimson. Never spots or rusts. The vines are vigorous and productive, inclined to send out runners, but do not affect the bean in any way. Very popular with market gardeners. Pkt. 20c., pt. 35c., qt. 60c.,  $\frac{1}{2}$  pk. \$1.75, pk. \$3.00

**Dwarf Horticultural.** A fine shell bean with long green pods, very productive. Pkt. 20c., pt. 35c., qt. 60c.,  $\frac{1}{2}$  pk. \$1.75.

**Goddard or Boston Favorite.** Fine shell bean. Pods and beans similar in color, larger and longer than the Dwarf Horticultural. Very prolific. Pkt 15c., pt. 30c., qt. 50c.,  $\frac{1}{2}$  pk. \$1.75.

**Long Yellow Six Weeks.** An early standard variety, Pkt. 15c., pt. 30c., qt. 50c.,  $\frac{1}{2}$  pk. \$1.75.

**Low's Champion.** Very early, absolutely stringless, exquisite flavor, very productive. One of the finest snap beans, an excellent shell bean, and is of splendid flavor when cooked dry. Pkt. 15c., pt. 30c., qt. 50c.,  $\frac{1}{2}$  pk. \$1.75.



KENTUCKY WONDER

**BEANS, Green-podded Varieties—Continued**

**Broad Windsor.** (English.) Plant as early in the spring as the ground can be worked, from 2 to 4 inches apart in drills 3 feet apart, cover the seed about 4 inches. Pkt. 20c., pt. 35c., qt. 65c.

**Red Kidney.** Fine for baking and a good shell bean. Pt. 20c., qt. 35c.

**Golden California Pea.** The best sort for baking; a very hardy and prolific variety, having the richness and flavor not found in other varieties. Pt. 20c., qt. 35c.,

**Snowflake Pea.** The best small white pea bean, early and productive. Pt. 20c., qt. 35c.

**Yellow-Eyed (Old-fashioned.)** Very productive. Fine for baking, extensively grown as a dry bean for winter use. Pt. 20c., qt. 35c.

**Yellow-Eyed (Improved.)** Pt. 20c., qt. 35c.

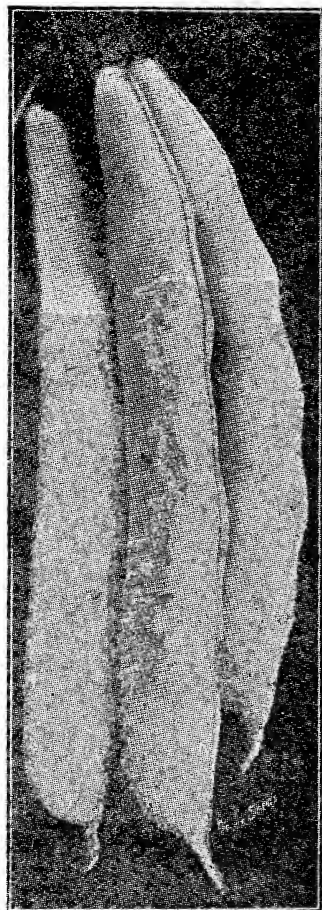
**BEANS, Wax Podded (Dwarf)**

**Black Wax, Pencil Pod.** Pods are long, pencil like, tender and brittle. In color they are a rich, dark yellow, hardy and productive. Pkt. 15c., pt. 30c., qt. 50c., ½ pk. \$1.75.

**Burpee's Kidney Wax.** An early and very productive variety, pods are entirely stringless and of fine quality. Free from blight and rust. Pkt. 15c., pt. 30c., qt. 50c., ½ pk. \$1.75.

**Improved Golden Wax.** An early, hardy variety, flat, golden-yellow pods. Pkt. 15c., pt. 30c., qt. 50c., ½ pk. \$1.75.

**Sure Crop Stringless Wax.** A wax-podded variety of remarkable growth and productiveness. Plants hardy and prolific; pods 7½ inches long and about ½ inch wide, of a rich yellow color, perfectly stringless, excellent for home and market gardens. Pkt. 15c., pt. 35c., qt. 50c., ½ pk. \$1.75.

SURE CROP STRINGLESS  
WAX**BEANS, Pole**

Plant in hills 4 feet apart, 4 to 5 beans to a hill. Poles should be firmly set before planting.

If wanted by Parcel Post, add at the rate of 6c. per qt.

**Carmine Podded Horticultural.** Pods bright carmine. Both pods and beans are much larger than the London Horticultural. An excellent variety for the market or the home garden. Pkt. 15c., pt. 30c., qt. 50c., ½ pk. \$1.75.

**Horticultural, or Speckled Cranberry.** An old favorite, early and prolific; excellent quality either as a snap or shell bean or for cooking dry. Pkt. 15c., pt. 30c., qt. 50c., ½ pk. \$1.75.

**Kentucky Wonder, or Old Homestead.** A long, green podded variety, very prolific and of fine quality and perfectly stringless. Pkt. 15c., pt. 30c., qt. 50c., ½ pk. \$1.75.

**Kentucky Wonder Wax.** The best pole wax bean; it is similar in habit of growth to "Kentucky Wonder Green Pod." Pkt. 15c., pt. 30c., qt. 50c., ½ pk. \$1.75.

**Large White Lima.** A very popular variety. Beans are large and tender and of excellent flavor. Pkt. 20c., pt. 35c., qt. 60c.

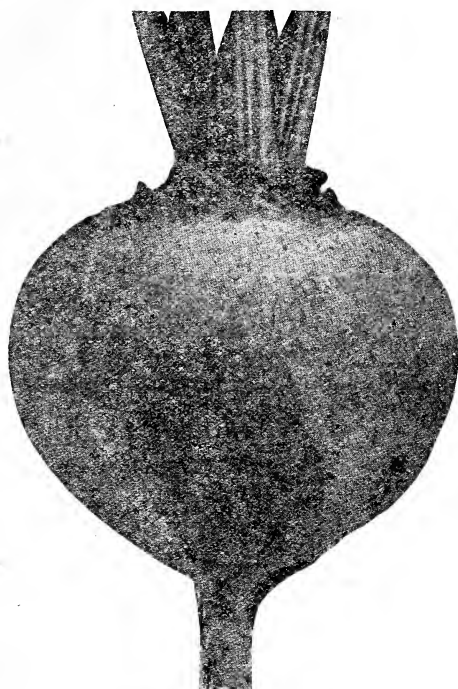
**Small White Lima.** Early and hardy. Beans small, good quality. Pkt. 20c., pt. 35c., qt. 60c.

**Lazy Wife's.** Beans white; pods green, very thick, meaty, entirely stringless; very productive. Pkt. 15c., pt. 30c., qt. 50c., ½ pk. \$1.75.

**Red Cranberry.** The pods are green, large and tender; one of the best snap beans. Pk. 20c., pt. 35c., qt. 60c.

**Scarlet Runner.** An ornamental climber with bright scarlet flowers. ½ pt. 25c., pt. 40c.

**White Runner.** Similar to the Scarlet Runner, flowers being white. ½ pt. 25c., pt. 40c.



DETROIT DARK RED BEET

## BEET

Sow as early in the spring as the ground can be worked. For succession sow at intervals until the first of July. The soil should be well enriched with stable manure and plowed and harrowed until very fine. Sow in drills 15 inches apart and cover one inch. When well up thin out 4 inches apart in the rows.

*One ounce to fifty feet of drill; six pounds to the acre.*

**EARLY WONDER.** A fine early variety, the market gardener's favorite on account of its symmetrical form, dark color, small top and early maturity. Pkt. 10c., oz. 20c., 2 oz. 35c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**Crosby's Egyptian.** The roots are flattened, globe shaped and very smooth. Exterior color of root bright red. The flesh is bright vermillion red, zoned with a lighter shade, very sweet, tender and of excellent quality. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Detroit Dark Red.** The best beet for the market and home garden. Tops small, upright in growth. Root medium-sized, globular or nearly round, very smooth, and of dark blood red color. Very desirable for bunching. Uniform in growth and unsurpassed in quality. Pkt. 10c., oz. 20c., 2 oz. 35c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.25.

**Edmand's Blood Turnip.** A medium early sort, deep red, popular with market gardeners. Our seed is grown from selected roots saved for seed. Pkt. 10c., oz. 20c., 2 oz. 35c.,  $\frac{1}{4}$  lb. 45c., lb. \$1.00.

**Giant Feeding Sugar Beet or Half Sugar Mangel.** A strain of beets very desirable for stock feeding, affording not only a very large crop much easier to harvest than other sorts, but also having a higher nutritive value, being especially rich in sugar. Roots light orange green above ground, grayish white below with white flesh. On account of growing partly out of the ground and the long ovid shape, the crop can be harvested and stored easily and at less expense than any other root crop. Oz. 10c.,  $\frac{1}{4}$  lb. 35c., lb. \$1.00.

GIANT FEEDING SUGAR BEET, OR  
HALF SUGAR MANGEL

## Mangel Wurzel

Sow in drills 2 inches deep, about 2 feet apart; thin out to 10 inches apart. *Six pounds to the acre.*

**Mammoth Long Red.** This variety produces roots of mammoth size and is enormously productive. Yielding from thirty to forty tons per acre on well prepared land. Oz. 10c.,  $\frac{1}{4}$  lb. 30c., lb. 75c.

**Golden Tankard.** Recommended for dairymen on account of its milk-producing properties. The flesh is a rich golden yellow; very productive. Oz. 10c.,  $\frac{1}{4}$  lb. 30c., lb. 75c.

**Giant Sludstrup.** A large yielding variety of high feeding value. Oz. 10c.,  $\frac{1}{4}$  lb. 30c., 1 lb. 75c.

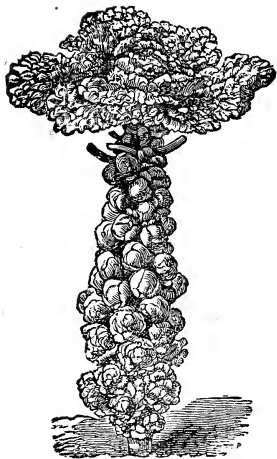
## Swiss Chard or Spinach Beet

The leaves are used as greens and served like spinach. The mid-ribs may be cooked like asparagus. Cuttings may be used all summer, as it can be cut down to the ground and new shoots will soon spring up and make fast growth.

**Lucullus.** The largest and best. Pkt. 5c., oz. 15c., 2 oz. 20c.,  $\frac{1}{4}$  lb. 45c., lb. \$1.25.



DANVERS HALF LONG CARROT



BRUSSELS SPROUTS

### Brussels Sprouts

Cultivate the same as cabbage. The sprouts resemble miniature cabbage and are very tender.

**Improved Dwarf.** A standard sort. Pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.50.

**Improved Long Island**  
The finest variety very compact sprouts. Pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.50.

### Broccoli

A vegetable much resembling cauliflower.

**White Cape.** The most desirable variety. Pkt. 10c., oz. 60c.

### Chives

Hardy perennial plants grown for their tops, which are used as a salad and for flavoring soups. Seed, per pkt. 10c., oz. 75c. Roots 15c. per bunch, 25c. by mail prepaid.

### Chervil

An aromatic sweet herb used for flavoring and garnishing.

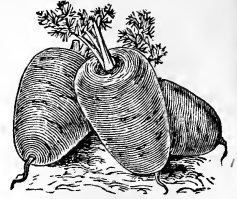
**Curled.** Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 85c.

**ORDER EARLY TO AVOID DISAPPOINTMENT**

## CARROT

Carrots do best in a good, light and rich soil. Sow in April or May for the early crop, and for the main crop sow in May or June in drills about  $\frac{1}{2}$  inch deep, in rows 14 inches apart, and thin plants to 3 or 4 inches in the rows.

*One ounce to 100 feet of drill; four pounds to an acre.*



OXHEART CARROT

**Early Scarlet Forcing.** The earliest variety for forcing, small round roots and excellent flavor. Pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

**Early Scarlet Horn.** A favorite early variety, of fine flavor and excellent for the table. Roots grow about three inches long. Pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

**Chantenay.** A medium early, half-long variety. The flesh is crisp and tender. Pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$1.75.

**Danvers' Half-Long.** The best sort for the main crop, dark orange color, growing very smooth, yielding large crops, and is a splendid keeper; roots medium length, tapering uniformly to a blunt point. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Danvers' Half-Long.** Special Market Gardeners' Strain. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 65c., lb. \$2.00.

**Improved Long Orange.** Deep orange color, roots of large size and good keeper. Pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Guerande or Oxheart.** Medium early roots, short and thick. The flesh is bright orange, fine grained and tender. Pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**Nantes Half-Long Scarlet.** A stump-rooted variety. Flesh fine grained, mild and sweet. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Large White Belgian.** Very productive and largely used for feeding stock. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

### Cress or Peppergrass

Sow early in the spring on rich soil in drills 10 or 12 inches apart and make frequent sowings every two weeks. Cover seed about  $\frac{1}{4}$  inch.

**Extra Curled.** Fine flavor, may be cut several times. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 35c.

**Water Cress.** Sow in the spring near the margin of ponds or running streams. Pkt. 10c., oz. 60c.,  $\frac{1}{4}$  lb. \$2.00.

## DANDELION

One of the earliest and most popular of spring greens. Sow in May in drills 12 inches apart; cover the seed  $\frac{1}{4}$  of an inch deep. The following spring the plants will be ready for cutting.

*One ounce for 200 feet of drill.*

**Improved Thick-Leaved.** A carefully selected strain; popular with market gardeners. Pkt. 10c., oz. 60c.,  $\frac{1}{4}$  lb. \$3.00.

# CABBAGE

The cabbage is an important crop and should be planted in fresh, rich soil, well manured and deeply dug or plowed. For early use sow in a hotbed in March, transplant to the open ground when danger from frost is past. Plant the early sorts about 18 inches in the rows and the late sorts about 2 feet in the rows and the rows about 3 feet apart. For the late crops sow in the open ground in June. Our cabbage seed is grown from selected stock and is equal to any offered in the market.

*One ounce will produce about 2,000 plants.*



COPENHAGEN MARKET CABBAGE

## COPENHAGEN MARKET.

An extra early variety; heads ball-shaped, large and solid, averaging in weight about 10 pounds. It will give perfect satisfaction both as to quality and yield, having few outside leaves. The plants can be set closer than most varieties. The most evenly-maturing and large-heading early cabbage in cultivation. Pkt. 10c.,  $\frac{1}{2}$  oz. 25c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.25.

**Early Jersey Wakefield.** A standard early market variety, conical in shape and good quality; heads uniform and solid. Pkt. 10c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.25.

**Glory of Enkhuizen.** An early, white, solid, variety, medium sized heads. Pkt. 10c.,  $\frac{1}{2}$  oz. 25c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.50.

**All Seasons.** Large heads, round and very solid and sure heading; nearly as early as the Early Summer. Pkt. 10c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.25.

## A. S. & L., CAPE ELIZABETH.

Heads hard, solid, tender and crisp. It is remarkable for its long-keeping qualities. One of the best shipping varieties. Pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.75.

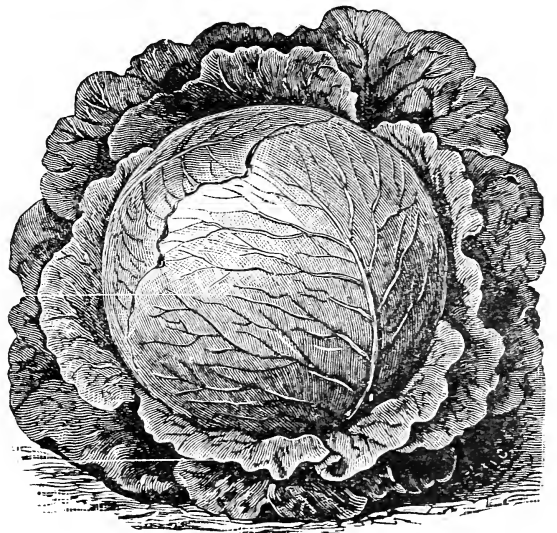
**Warren's Stone Mason.** An improvement on Stone Mason, round, medium-sized, solid heads, a good keeper. Pkt. 10c.,  $\frac{1}{2}$  oz. 25c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.50.

## DANISH BALL HEAD.

This variety produces large, round and compact heads. One of the best keepers; plants vigorous and hardy, resisting cold and dry weather. Pkt. 10c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.25.

**Improved American Savoy.** Large, solid round heads, of superior quality, tender and good flavor, the best variety for family use. Pkt. 10c.,  $\frac{1}{2}$  oz. 25c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.50.

**Pe-Tsai, or Chinese Cabbage.** A quick growing plant resembling Cos Lettuce. Pkt. 10c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00.



DANISH BALL HEAD CABBAGE

## Red Danish Stone Head.

One of the largest and most solid and compact of the red varieties, sure heading and tender. Pkt. 10c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.25.

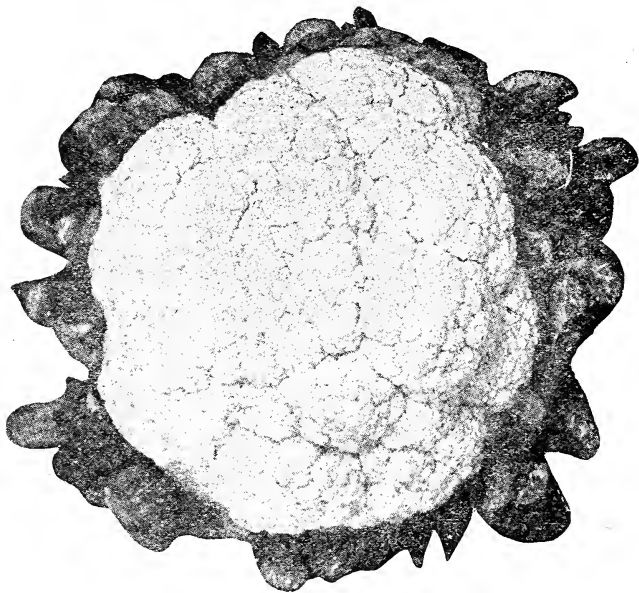
**Mammoth Red Rock.** Heads dark red and solid, fine for pickling. Pkt. 10c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.25.

SEND US YOUR MAIL ORDERS

## CAULIFLOWER

The soil that will grow cabbage will grow cauliflower. It should be made richer and thoroughly worked before planting. For early crop, sow seed in hotbed or in boxes about 6 weeks before time to plant out. Transplant early in spring in rows 3 feet apart and 18 inches in the row. Plants should be cultivated often to be kept growing continuously. For the late cauliflower, plant in the open ground in June and transplant in July.

*One ounce will produce 2,000 plants.*



**Earliest Dwarf Snowball.** The earliest cauliflower in cultivation, absolutely sure to head when conditions are ordinarily favorable. Plants are very dwarf and of compact growth, with large firm, snow-white heads. Pkt. 15c.,  $\frac{1}{4}$  oz. 75c., oz. \$2.50.

**Thorburn's Gilt Edge.** Produces large solid, white heads of finest quality. Pkt. 15c.,  $\frac{1}{4}$  oz. 75c., oz. \$2.75.

**Danish Giant or Dry Weather.** This variety is about two weeks later than the snowball. It is of dwarf growth, producing large hard and snow-white heads, fully protected by its foliage. Pkt. 15c.,  $\frac{1}{4}$  oz. 75c., oz. \$2.75.

**Veitch's Autumn Giant.** A large, late sort. Pkt. 10c.,  $\frac{1}{4}$  oz. 30c., oz. \$1.00.

## CELERY

For early celery sow the seed of the self-blanching sorts in a hotbed early in the spring. As soon as the plants are 3 inches high, transplant into frames in well-enriched soil 4 inches apart. Cut them once or twice before setting them out in May or June to make them stocky. When about six inches high transplant into trenches wide enough to hold two rows. The rows should be about 1 foot apart and the plants set about 8 inches apart. For winter celery start the seeds in flats as for early, only a little later. As plants grow they should be earthed up to blanch, taking care not to cover the center of the plant.

*One ounce of seed will produce about 4,000 plants*

### Easy-Blanching

A first early variety, the stalks are very tender and brittle, and have a rich nutty flavor. Pkt. 10c.,  $\frac{1}{2}$  oz. 50c., oz. 85c.,  $\frac{1}{4}$  lb. \$3.00.

**Paris Golden Self-Blanching.** (French grown, special gardeners' strain). The finest early celery grown, easily blanched and of excellent flavor, solid and crisp. Pkt. 10c.,  $\frac{1}{2}$  oz. 50c., 1 oz. 85c.,  $\frac{1}{4}$  lb. \$3.00.

**White Plume.** A desirable early variety requiring very little labor in blanching. Pkt. 10c.,  $\frac{1}{2}$  oz. 30c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.75.

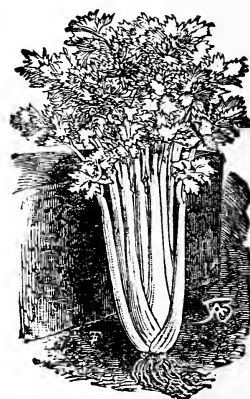
**Boston Market.** White, solid, crisp and tender, the best late variety. Pkt. 10c.,  $\frac{1}{2}$  oz. 40c., oz. 75c.,  $\frac{1}{4}$  lb. \$2.00.

**Giant Pascal.** A tall-growing sort, blanches early and keeps well. Pkt. 10c.,  $\frac{1}{2}$  oz. 30c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.75.

**Celeriac or Turnip-Rooted Celery.** It is mostly grown for the edible root and not for greens. Sow seed same as Celery, transplant into rows two feet apart and about six to eight inches in the row.

**Large Smooth Prague.** An improved form of turnip-rooted celery, producing large, smooth roots, which are almost round and of fine flavor. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c.

**Soup Celery.** For flavoring. Oz. 10c.,  $\frac{1}{4}$  lb. 20c., lb. 60c.



PARIS GOLDEN  
SELF-BLANCHING  
CELERY

## CORN, Sweet

Plant in hills 3 to 4 feet apart each way, dropping 6 seeds in each hill, or in drills 3 to 4 feet apart. The seeds should be covered about 2 inches. In this climate Sweet Corn should not be planted before the middle of May.

*One quart will plant 200 hills.*

If wanted by Parcel Post, add at the rate of 6c. per quart.

**Early Falmouth (New).** An extra early variety with good sized ears. The stalks are short with little foliage, 4 to 5 feet high; the sweetest and most tender of the early varieties. Gardeners trying for the earliest market should include it in their order. Pkt. 20c., pt. 30c., qt. 50c., ½ pk. \$1.75, pk. \$3.00.

**Early Mayflower.** One of the earliest varieties; white cob and kernels. The ears are larger than White Cory. Pkt. 15c., pt. 25c., qt. 45c., ½ pk. \$1.35, pk. \$2.60.

**Burpee's Golden Bantam.** Early, hardy and of the most delicious flavor; being of a dwarf growth, the stalks can be grown closely together in the row. Pkt. 15c., pt. 25c., qt. 40c., ½ pk. \$1.25, pk. \$2.25.

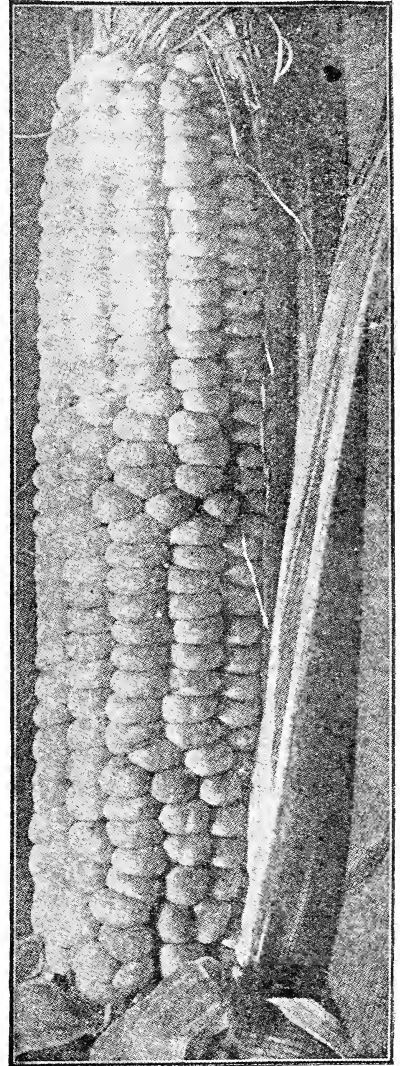
**Charlevoix.** An intermediate, yellow grained sweet corn of distinctive merit. Ears about seven inches long, usually twelve rowed and when in condition for use are light creamy yellow in color. The grain is rather short, very sweet and tender. An excellent sort both for the home and the market garden. Pkt. 15c., pt. 25c., qt. 40c., ½ pk. \$1.25, pk. \$2.25.

**Morse's Golden Cream.** A cross between Country Gentleman and Golden Bantam. The flavor is rich and delicious, seed yellow. The habit of growth is rather dwarf, and the stalks bear 2 to 4 ears. For a succession plant Golden Bantam, Bantam Evergreen and Golden Cream. Pkt. 15c., pt. 25c., qt. 40c., ½ pk. \$1.25, pk. \$2.25.

**Bantam Evergreen.** A cross between Stowell's Evergreen and Golden Bantam. Kernels are plump and full. The quality is very fine, being exceedingly sweet and tender. Ears 5 to 7 inches long. Pkt. 15c., pt. 25c., qt. 40c., ½ pk. \$1.25, pk. \$2.25.

**Ellis-Crosby Extra Early.** An extra early and productive variety; ripening nearly as early as the Cory, growing very dwarf with ears set low, averaging from 16 to 20 rows; very sweet and tender. Desirable for both the market and private garden. The seed we offer was especially grown for us in New England for our retail trade. Pkt. 15c., pt. 25c., qt. 45c., ½ pk. \$1.35, pk. \$2.50.

**Early Crosby (Selected).** About ten days later than the Ellis-Crosby; largely used for canning. Pkt. 15c., pt. 25c., qt. 40c., ½ pk. \$1.25, pk. \$2.25.



BURPEE'S GOLDEN BANTAM CORN

**Country Gentlemen.** A large, late variety of excellent quality. Pkt. 15c., pt. 25c., qt. 40c., ½ pk. \$1.25, pk. \$2.25.

**Stowell's Evergreen.** A late standard sort of excellent quality. Pkt. 15c., pt. 20c., qt. 35c., ½ pk. \$1.25, pk. \$2.00.

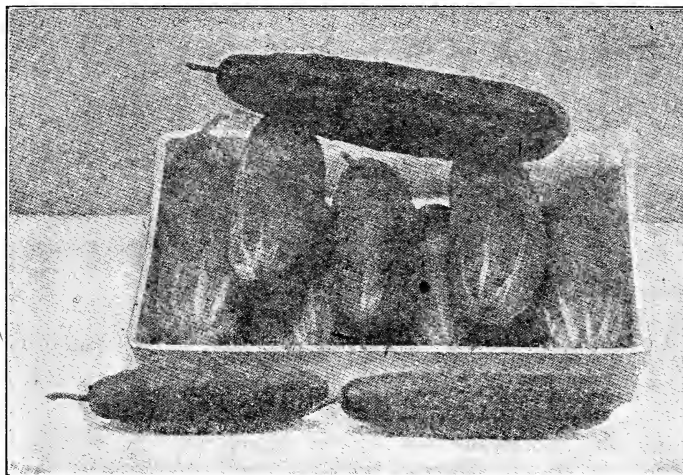
**Black Mexican.** Very sweet and tender, medium early. Pkt. 15c., pt. 25c., qt. 40c., ½ pk. \$1.25, pk. \$2.25.

**"STERLING QUALITY" SEEDS MEAN THE BEST**

## CUCUMBER

For general crop plant when the ground has become warm, in hills 4 feet apart each way. Thin out to 4 plants to each hill after all danger of insects is over. For very early cucumbers sow about April 1st, in a hotbed on a piece of sod, grass side down so that they can be easily transplanted to the open ground when danger of frost is over

*One ounce will plant fifty hills; two pounds will plant an acre.*



WOODS HYBRID CUCUMBER

**WOODS HYBRID.** The best type of slicing cucumber. The color, a rich dark green, is retained a long time after it is picked. The flesh is white, crisp and tender. It is early and prolific, and for home or market, it is far superior to other sorts. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**Boston Pickling.** This variety is largely planted for pickles. Fruit medium size, smooth, light green and very productive. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Cumberland.** Fine variety for pickling or slicing. Vines are of strong growth and prolific and continue in bearing a long time. Pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Davis Perfect.** For forcing or outdoors. The fruit is of fine form, of a rich dark green color, very few seeds, tender, brittle and of fine flavor. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**Early Cluster.** An early sort growing in clusters. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Early Frame or Short Green.** A well-known variety used for slicing and pickling. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Kelway's "Freedom."** An extraordinary cropper and of first-rate quality; medium dark skin, 15 to 18 inches long. Per pkt. 25c.

**Improved White Spine.** One of the most popular varieties in cultivation. The fruit is light green with white spines, uniform in size and very productive. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Early Russian.** One of the earliest varieties, grows from 3 to 4 inches long. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Japanese Climbing.** A quick-growing sort, throwing out tendrils which enable them to climb poles or trellises. Fruit from 12 to 16 inches long. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Klondike.** A medium early cucumber of very dark green color and an excellent quality for slicing; vine very hardy and productive. The fruits, when mature, are about 8 inches long. Its uniform size and shape and splendid color make this variety very popular as a shipping sort. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Long Green.** An old standard variety. Fruit from 10 to 12 inches long, dark green and crisp. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**West India Gherkin.** A small prickly variety grown only for pickles. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

### ENGLISH FRAME CUCUMBERS

**Kelway's Extra Selected Telegraph.** A popular variety. Per pkt. 25c.

**TESTED SEED** is the only safe policy for any farmer. Many seeds show a low germination. We are testing all seeds and giving you the benefit of our judgment and experience.

## EGG PLANT

Sow the seeds in hotbeds very early in the spring and transplant when about three inches high into small pots or another hotbed. Do not plant out in the open ground until the weather has become warm and settled.

*One ounce will produce about 1,000 plants.*

**New York Improved Purple.** This variety produces fruit of large size, nearly round, dark purple and excellent quality. Pkt. 10c., ½ oz. 35c., oz. 65c.

**Black Beauty.** A valuable early sort, about ten days earlier than the New York Improved; color a rich purplish black. Pkt. 10c., ½ oz. 35c., oz. 65c.

## ENDIVE

For early use sow as early in the spring as the ground can be worked in drills 15 inches apart. Transplant to 1 foot each way. When full grown tie the outer leaves at the top to blanch them.

*One ounce will produce 2,000 plants.*

**Green Curled.** A standard sort for fall and winter. Pkt. 5c., oz. 20c., ¼ lb. 75c.

**White Curled.** A fine, white, curled variety, self-blanching. Pkt. 5c., oz. 20c., ¼ lb. 75c.

**Broad-Leaved Batavian.** A variety growing very compact, very tender and of fine flavor. Pkt. 5c., oz. 20c., ¼ lb. 75c.

**French Endive (Witloof Chicory).** Plant the seed in drills 10 inches apart, in deep, rich soil. Thin to six inches apart. One of the finest winter salads grown. Pkt. 10c., oz. 30c., ¼ lb. \$1.00.

## KALE

Sow from May to June, broadcast or in drills, cover ½ inch, cultivate the same as cabbage.

*One ounce to 150 feet of drill.*

**Dwarf Green Curled Scotch.** A fine, low-growing variety, the leaves densely crimped and curled; very hardy and productive. Pkt. 5c., oz. 25c., ¼ lb. 85c.

## KOHL RABI

Seed should be sown in drills as early in the spring as possible. When well established thin to 6 inches apart. The bulb grows entirely out of the ground.

**Early White Vienna.** A very early sort, excellent quality, flesh white and tender. Pkt. 5c., ½ oz. 15c., oz. 25c., ¼ lb. 75c.

**Early Purple Vienna.** Similar to the above except in color. Pkt. 5c., oz. 25c., ¼ lb. 75c.

## LEEK

Plant in the spring in a light, well-enriched soil in drills 1 foot apart. Cover the seed about 1 inch and thin to 9 inches apart in the drills. Draw earth up to them as they grow.

*One ounce of seed to 150 feet of drill.*

**American Broad Flag.** A strong-growing sort with broad leaves. Pkt. 5c., oz. 30c., ¼ lb. 85c.

**Musselburgh.** This variety grows to a large size, blanches well and is of superior flavor. Pkt. 5c., oz. 30c., ¼ lb. 85c.

## MUSK MELON

Melons succeed best in light, sandy rich soil. After all danger of frost is past plant in hills 4 to 6 feet apart each way, six to ten seeds to a hill. When about 3 inches high and all danger from insects is past thin out to 3 or 4 plants to a hill.

*One ounce to 60 hills; two to three pounds to an acre.*

**Burrell's Gem.** Dark salmon flesh, delicious flavor. Pkt. 5c., oz. 15c., ¼ lb. 50c.

**Emerald Gem.** Fruit of medium size, very early and of fine flavor; flesh deep orange. Pkt. 5c., oz. 15c., ¼ lb. 50c.

**Long Yellow.** Very large, slightly ribbed and thickly netted; flesh salmon-yellow and sweet. Pkt. 5c., oz. 15c., ¼ lb. 50c.

**Miller's Cream or Osage.** Most delicious flavor, flesh salmon color, very thick and finely netted. Pkt. 5c., oz. 15c., ¼ lb. 50c.

**Rocky Ford.** A popular market variety. The fruit is oval, medium size, finely netted; flesh light green and very sweet. Pkt. 5c., oz. 15c., ¼ lb. 50c.

**Honey Dew.** A medium sized melon 5 to 6 pounds in weight, about 6 inches diameter and slightly oblong. Thick flesh, light emerald green in color. It is fine grained, melting and delicious, and is good clear down to the rind. Pkt. 10c., oz. 15c., ¼ lb. 50c.

## WATER MELON

Plant in hills about 8 feet apart and cultivate the same as for Musk Melon.

*One ounce for 30 hills; four pounds for one acre.*

**Cole's Early.** One of the best early varieties, medium size, nearly round, flesh dark red and excellent quality. Pkt. 5c., oz. 15c., ¼ lb. 50c.

**Fordhook Early.** Very early, good size, color medium green, flesh red and of good quality. Pkt. 5c., oz. 15c., ¼ lb. 35c.

**Phinney's Early.** Early and productive, flesh red. Pkt. 5c., oz. 15c., ¼ lb. 35c.

**Citron.** Used for preserves; white flesh, hardy and productive. Pkt. 5c., oz. 15c., ¼ lb. 35c.

## MARTYNIA

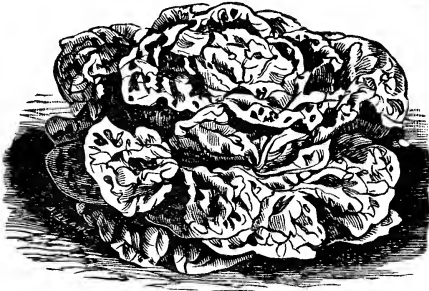
The seed pods which are produced in great abundance are gathered when young and tender for pickling. Sow in the open ground in May, 3 feet apart each way.

**Proboscidea.** The most productive variety. Pkt. 10c., ½ oz. 25c., oz. 40c.

### CAUTION

We do not sell to dealers. "Sterling Quality" Seeds can be procured only directly from us.

## LETTUCE



TENNIS BALL LETTUCE

For summer use the seed can be sown in hotbeds in March. Transplant when the weather will permit in rows 12 inches apart and 8 inches apart in the rows. For a succession sow in the open ground every two weeks until fall. Lettuce requires a rich and a rather moist soil. The more rapid the growth, the better the quality.

*One ounce of seed will produce about 3,000 plants.*

**Big Boston.** Fine for forcing or open-ground planting; large, solid heads. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

**Boston Curled.** Leaves beautifully curled, very attractive on table. Pkt. 5c.,  $\frac{1}{2}$  oz. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c.

**Crisp as Ice.** Large, solid heads, yellow heart, outside dark green and bronze. Pkt. 5c.,  $\frac{1}{2}$  oz. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.

**Early Curled Simpson.** Very early, forms a close, compact mass of leaves. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c.

**Grand Rapids.** A very popular variety, leaves crimped, very attractive, matures quickly; the heads are dark green, very crisp and tender. Pkt. 5c.,  $\frac{1}{2}$  oz. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c.

**Hanson.** A large, solid variety. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c.

**Hittinger's Belmont Forcing.** Heads of larger size than the White-Seeded Tennis Ball, nearly as early and of crisp and tender quality; a superior forcing variety. Pkt. 10c.,  $\frac{1}{2}$  oz. 35c., oz. 60c.,  $\frac{1}{4}$  lb. \$2.00.

**Iceberg.** A very superior solid heading variety for outdoor growing. Makes large, solid heads. Pkt. 10c.,  $\frac{1}{2}$  oz. 15c., oz. 20c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

**Market Gardener's Private Stock.** A strain of Black-Seeded Tennis Ball, very desirable for hotbed culture in winter and for withstanding heat in summer. A light green cabbage sort, forming hard heads. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 75c.

**May King.** Large, round, solid heads, one of the best varieties for planting in open ground. Pkt. 5c.,  $\frac{1}{2}$  oz. 15c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

**New York or Wonderful.** The largest head lettuce crisp and tender. Pkt. 10c.,  $\frac{1}{2}$  oz. 15c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

**Salamander.** Medium size, light green, and forms a hard buttery head of fine quality. Pkt. 5c.,  $\frac{1}{2}$  oz. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c.

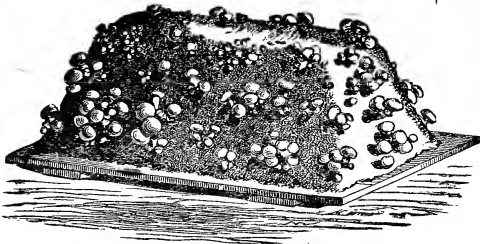
**Tennis Ball, Black Seeded.** A favorite variety for outdoor crop; forms close, hard heads that are crisp and tender. Pkt. 5c.,  $\frac{1}{2}$  oz. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

### Romaine or Cos Varieties

**Paris White Cos.** An early sort with long, narrow leaves. Pkt. 5c.,  $\frac{1}{2}$  oz. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c.

**Trianon, Self-Folding Cos.** Requires no tying to blanch very crisp and tender. Pkt. 10c.,  $\frac{1}{2}$  oz. 15c., oz. 25c.,  $\frac{1}{4}$  lb. 75c.

## MUSHROOM SPAWN



Mushrooms can be grown in cellars, in sheds, or in hotbeds where a temperature of 50 to 70 degrees is easily maintained.

**English Spawn.** In bricks 25c. per lb., 6 lbs. for \$1.25.

If wanted by mail, add 10 cents per lb.

**Mushrooms, How to Grow Them.** By Falconer . . . 1.25

**Mushroom Growing.** By Duggar . . . . . 1.50

ORDER EARLY TO AVOID DISAPPOINTMENT

## MUSTARD

Sow thickly in early spring in shallow drills or in boxes during the winter. Successive sowing may be made every ten days.

*One ounce will sow about 75 feet of drill.*

**Black or Brown.** Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Chinese.** Leaves twice the size of the ordinary White Mustard, which are curled and eaten boiled like spinach. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**White London.** The best for salads and flavoring. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

## OKRA

Sow the seeds late in the spring after the ground has become warm in rows about 3 feet apart, 1 inch deep, thinning out to about 9 inches apart in the rows.

**Improved Dwarf Green.** Very productive, long green pods. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 30c.

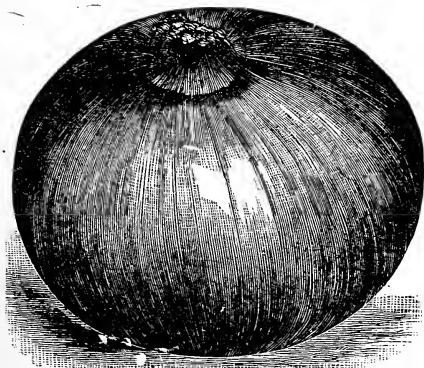
**White Velvet.** Large pods, smooth and free from ridges. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 30c.

## ONION

Sow the seeds as early in the spring as the ground can be worked in drills about 1 foot apart and cover about  $\frac{1}{2}$  inch. Thin plants to stand from 2 to 3 inches apart in the drills. The soil should be made very rich and kept free from weeds.

*One ounce to 100 feet of drill; five pounds to the acre.*

**Danvers Yellow Globe.** The most profitable variety to grow, producing bulbs of globular form which ripen early and uniformly, producing large crops. The seed we offer was grown in New England from selected bulbs by a reliable grower of long experience. We cannot recommend this strain of seed too highly, not only on account of its great yield but also of its superior keeping qualities. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.



DANVERS' YELLOW GLOBE ONION

**Extra Early Red Flat.** About ten days earlier than the Red Wethersfield, medium size and a good keeper. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

**Large Red Wethersfield.** The standard red, flat variety, large size, skin deep purplish red, a good keeper. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 90c., lb. \$3.00.

**White Queen.** A pure white variety of rapid growth; fine for pickling. Pkt. 10c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.50.

**Prizetaker.** The largest yellow onion, flesh white and of mild flavor. Pkt. 10c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

**White Portugal.** One of the best white sorts; bulbs mature early, very mild flavor, the best to grow for sets. Pkt. 10c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

**Onion Sets (Recleaned).** Onion Sets should be planted as early in the spring as the ground is dry enough to work, in rows 12 inches apart and 2 to 4 inches apart in the rows.

Add 5c. per pound if sent by mail.

**White Onion Sets.** Lb. 35c., 8 lbs. \$2.00.

**Yellow Onion Sets.** Lb. 30c., 8 lbs. \$1.75.

**Japanese Onion Sets.** This onion will actually double the yield of any other onion set on the market. It throws no seed stalks; is the best keeper and best flavored onion grown. One customer reported ninety bushels of onions grown from one bushel of sets. Lb. 30c., 8 lbs. \$2.25.

## PUMPKIN

Same cultivation as for squash.

*One ounce will plant 20 hills; one pound will plant 250 hills.*



SUGAR PUMPKIN

**Connecticut Field.** Very productive, usually grown in fields with corn for feeding stock. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 35c., lb. \$1.00.

**King of the Mammoths.** The best mammoth pumpkin, flesh is a golden-yellow, a splendid keeper and valuable for stock feeding. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 45c., lb. \$1.50.

**Mammoth Tours.** Very large size, oblong in shape, largely used for feeding stock. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 45c., lb. \$1.50.

**Small Sugar.** Very sweet and fine grained, a good keeper, best sort for family use. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

## PEPPER

Sow the seed in hotbeds early in April. Transplant when 2 or 3 inches high to 3 inches apart. Transplant to the open ground about the first of June, in rows 2 feet apart and 18 inches apart in the rows. The soil should be rich and mellow.

*One ounce will produce about 2,000 plants.*

**Large Bell or Bull Nose.** Large and of mild flavor, largely used for pickling. Pkt. 10c.,  $\frac{1}{2}$  oz. 35c., oz. 60c.

**Long Red Cayenne.** Bright red, long, slender pods, very pungent. Pkt. 10c.,  $\frac{1}{2}$  oz. 40c., oz. 75c.

**Red Cherry Cayenne.** Small round variety, bright scarlet fruit. Pkt. 10c.,  $\frac{1}{2}$  oz. 40c., oz. 75c.

**Red Chili.** Used for seasoning and for making pepper sauce. Pkt. 10c.,  $\frac{1}{2}$  oz. 40c., oz. 75c.

**Squash or Tomato-Shaped.** Fruit medium size, early and productive. Pkt. 10c.,  $\frac{1}{2}$  oz. 35c., oz. 65c.

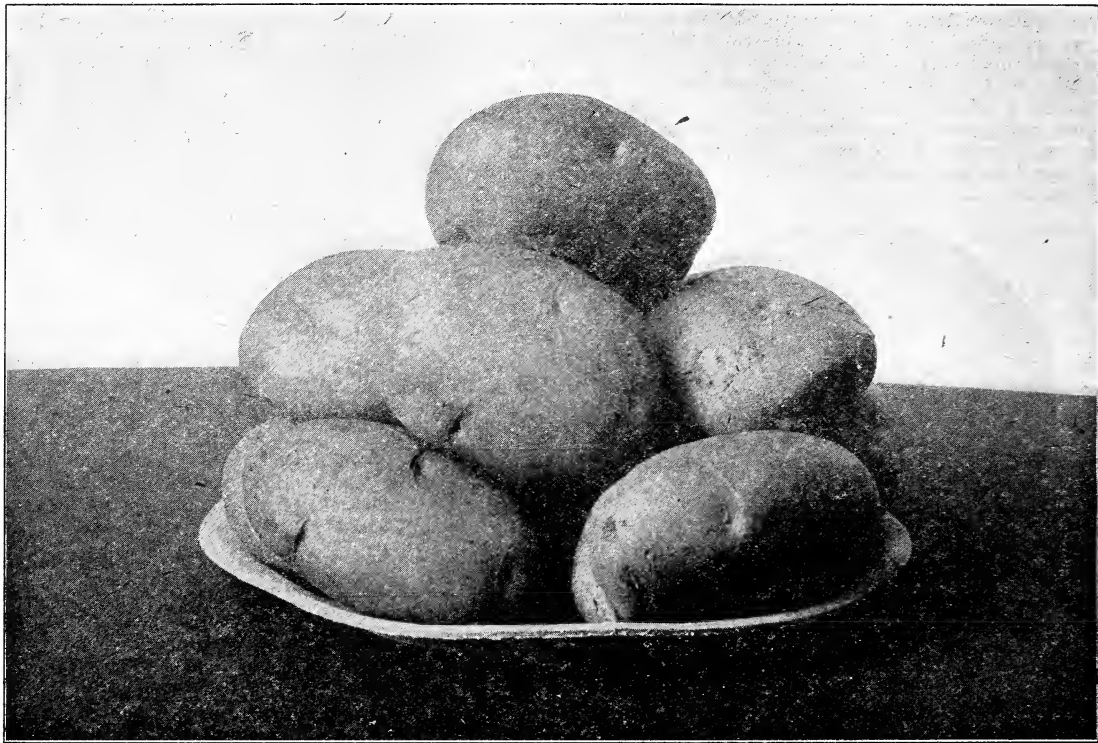
**Sweet Mountain.** The fruit is very large and smooth, flesh very tender and mild flavored. Pkt. 10c.,  $\frac{1}{2}$  oz. 35c., oz. 65c.

**Sweet Upwright.** A large thick variety, flesh thick and tender, and the flavor is mild and sweet. Pkt. 10c.,  $\frac{1}{2}$  oz. 40c., oz. 75c.

## POTATOES

*Eight to ten bushels will plant one acre. One peck will plant 75 hills.*

Potatoes are sent by express or freight, purchaser paying charges.



Early Ohio, Early Rose, Spalding Rose, Irish Cobbler, Delaware,  
Green Mountain, Gold Coin, Dibble's Russet.

Price on application

## PARSLEY

Soak the seeds a few hours in lukewarm water and sow early in the spring in rich soil in drills one foot apart, thin out the plants to 4 inches apart in the rows.

*One ounce to 150 feet of drill.*

**Double Curled or Covent Garden.** One of the best sorts, handsome bright green color; leaves finely crimped and curly. Pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 50c.

**Fern Leaved.** A fine strain, very dark green. Pkt 5c., oz. 20c.,  $\frac{1}{4}$  lb. 50c.

**Hamburg or Turnip-Rooted.** The roots resemble a small parsnip; used for flavoring soups, etc. Pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 50c.

## PARSNIP

Sow as early in the spring as the weather will permit in deep, rich soil in drills 18 inches apart, covering the seed slightly; thin to 5 or 6 inches apart in the rows.

*One ounce to 100 feet of drill; five pounds to the acre.*

**Abbott's Improved Hollow Crown.** The roots are smooth, large, tender and sugary; a heavy cropper. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$1.50.

**Arlington Long Smooth.** Roots long and smooth; a good market sort. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$1.50.

Prices quoted in Catalogue are subject to change without notice

## PEAS

Sow the early, smooth, round sorts as early in the spring as the ground can be worked, in light, dry rich, loamy soil. The wrinkled varieties are more tender and the seed is more liable to rot and should not be planted when the ground is cold and wet. The late varieties do not require as rich soil as the early and dwarf sizes. Sow in rows 3 to 4 feet apart and about 1 inch apart in the rows, 3 to 4 inches deep. Peas grown as a market crop are never staked, but when the taller sorts are grown for private use they are generally sown in double rows, 6 to 8 inches apart, and staked with brush. For best results all garden peas require good, strong, fertile soil.

*One quart will plant about 100 feet of drill; 1½ bushels to the acre.*

Those marked with a (\*) are wrinkled varieties.

If wanted by Parcel Post, add 6c. per qt.

### Extra Early Varieties

**Alaska.** One of the earliest blue peas, pods dark green, of medium size and uniform in growth; height 2½ feet. Pkt. 15c., pt. 25c., qt. 40c., ½ pk. \$1.50, pk. \$2.75.

**\*Gradus or Prosperity.** The earliest and most popular of the large-podded, wrinkled peas; vines vigorous, bearing large pods from 4 to 4½ inches in length, filled with large peas of the finest quality and delicious flavor; height 3 feet. Pkt. 20c., pt. 30c., qt. 50c., ½ pk. \$1.60, pk. \$3.00.

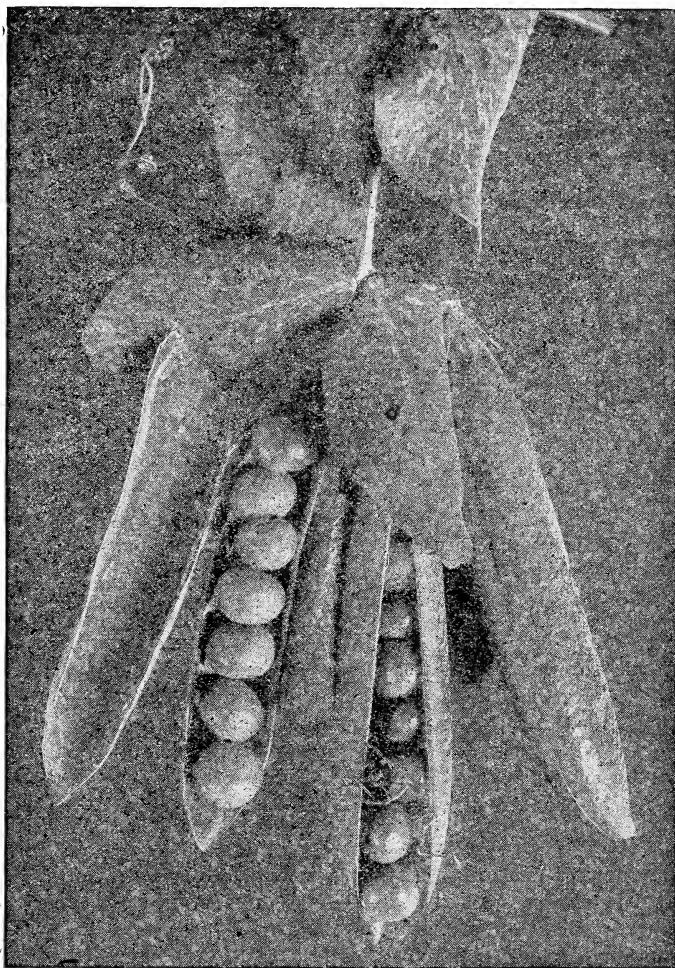
**\*Laxtonian.** One of the most remarkable varieties yet introduced; very dwarf, growing only 12 to 15 inches high, producing pods in great abundance; nearly as large as the Telephone. The peas are large with a flavor the very sweetest and best. Pkt. 20c., pt. 30c., qt. 50c., ½ pk. \$1.60, pk. \$3.00.

**\*Early Morn.** Of Gradus type, the pods are large and well filled with peas of excellent flavor; height 3 feet. Pkt. 20c., pt. 30c., qt. 50c., ½ pk. \$1.60, pk. \$3.00.

**\*Little Marvel.** A dwarf variety of even growth, about 18 inches in height; pods dark green, medium size, often produced in pairs; as early as Nott's Excelsior, equal in flavor and more prolific. Pkt. 20c., pt. 30c., qt. 50c., ½ pk. \$1.60, pk. \$3.00.

**\*Nott's Excelsior.** A splendid early sort; pods are always well filled with large peas of delicious flavor. Height 15 inches. Pkt. 20c., pt. 30c., qt. 50c., ½ pk. \$1.60, pk. \$3.00.

**Jordan's Early Dwarf.** A new dwarf wrinkled pea 18 to 20 inches high; pods dark green filled with Peas of excellent quality. Pkt. 25c., pt. 35c., qt. 60c., ½ pk. \$2.25, pk. \$4.00.



GRADUS PEAS

**\*Sutton's Excelsior.** As early as Nott's Excelsior, with much larger pods, a large cropper and of rich flavor; height 1½ feet. Pkt. 20c., pt. 30c., qt. 50c., ½ pk. \$1.60, pk. \$3.00.

**\*Sutton's World's Record.** Habit very prolific; pods long, dark green, filled with peas of superb flavor; height 3 feet. Pkt. 20c., pt. 30c., qt. 50c., ½ pk. \$1.60, pk. \$3.00.

**\*Thomas Laxton.** Similar to Gradus. The pods are long, straight, with square ends, and contain 7 or 8 peas of the finest flavor; hardy and productive; height 3 feet. Pkt. 20c., pt. 30c., qt. 50c., ½ pk. \$1.60, pk. \$3.00.

**\*Burpee's "Blue Bantam."** An extra early variety of the finest quality. The vines average fifteen inches in height. The pods average nearly as large as the Gradus. Pkt. 20c., pt. 30c., qt. 50c., ½ pk. \$1.60, pk. \$3.00.

## PEAS—Continued

### Second Early and Medium Varieties

- \***McLean's Advancer.** Fine standard sort, pods medium size; peas tender and of excellent quality; height 2½ feet. Pkt. 20c., pt. 30c., qt. 50c., ½ pk. \$1.60.
- \***Dwarf Telephone (Carter's Daisy).** Similar to the Tall Telephone, bearing heavy pods, about 4½ inches long, height 2 feet. Pkt. 20c., pt. 30c., qt. 50c., ½ pk. \$1.60, pk. \$3.00.
- \***Everbearing.** Very prolific, pods about 3 inches long, peas large and of good quality; height 2½ feet. Pkt. 20c., pt. 30c., qt. 50c., ½ pk. \$1.60, pk. \$3.00.

### GENERAL CROP

- \***Carter's Quite Content.** The largest-podded variety yet introduced, vines and pods deep green, pods 7 to 7½ inches long, hanging mostly in pairs and contain 9 to 11 large peas of excellent flavor; recommended for the market or private garden; a large cropper; height of 3 to 4 feet. Pkt. 25c., pt. 40c., qt. 65c., pk. \$5.00.
- \***Admiral Dewey.** One of the finest and most desirable of the large-podded varieties. The vines are of vigorous growth; the pods are always of good size well filled with peas of the highest quality; specially recommended for the home garden and market growing; height 4 feet. Pkt. 20c., pt. 30c., qt. 50c., ½ pk. \$1.60, pk. \$3.00.
- \***Improved Telephone.** An improvement on Carter's Telephone for purity and uniformity of habits, bearing in great abundance large, dark-green pods containing peas of fine flavor; height 4 feet. Pkt. 20c., pt. 30c., qt. 50c., ½ pk. \$1.60, pk. \$3.00.
- \***Prodigious.** A very superior, wrinkled pea of the style of the Telephone. The pods are dark green, averaging four and one-half to five inches in length; the vines are vigorous and prolific; the peas are of the finest quality; height 5 ft. Pkt. 20c., pt. 30c., qt. 50c., ½ pk. \$1.60, pk. \$3.00.
- \***Champion of England.** A well-known and popular late variety, of excellent flavor and very productive; height 4 to 5 feet. Pkt. 20c., pt. 30c., qt. 50c., ½ pk. \$1.60, pk. \$3.00.
- Black-Eyed Marrowfat.** Largely grown as a field crop; height 4 feet. Qt. 40c., pk. \$2.40.

**White Marrowfat.** Very hardy and prolific; height 4 feet. Qt. 40c., pk. \$2.40.

**White Canada Field.** Valuable for sowing with oats for cattle feeding and for green soiling. Pk. \$1.50.

### Sugar Peas or Edible Pods

**Dwarf Gray Sugar.** Dwarf in habit, with small-sized pods. Pkt. 20c., pt. 40c., qt. 75c.

## RADISH

The seeds should be sown in light, rich, sandy loam. For an early supply, sow in a hotbed in rows 4 inches apart. Sow in the open ground as soon as the ground can be worked in rows 8 to 12 inches apart ½ inch deep. If the radish makes rapid growth it will be crisp and tender. Sow every week or ten days for succession.

*One ounce for 100 feet of drill.*

**Crimson Giant.** An extra early, turnip-shaped variety, growing very large yet never pithy, always hard and solid; good for forcing and equally as good if grown in the open ground. Pkt. 5c., oz. 15c., ¼ lb. 40c., lb. \$1.25.

**Early Scarlet White-Tipped.** Small, round, red, short tops, crisp and tender. Pkt. 5c., oz. 15c., ¼ lb. 40c., lb. \$1.25.

**Non Plus Ultra.** The earliest forcing variety, round, red maturing in about twenty days. Pkt. 5c., oz. 15c., ¼ lb. 40c., lb. \$1.25.

**Scarlet Globe.** One of the best varieties for forcing or sowing in the open ground; globe shaped, scarlet color, crisp and tender. Pkt. 5c., oz. 15c., ¼ lb. 40c., lb. \$1.25.

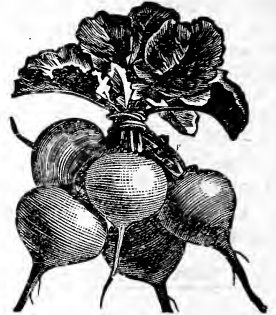
**French Breakfast.** Oblong shaped, color scarlet, white-tipped, rapid grower, mild and tender. Pkt. 5c., oz. 15c., ¼ lb. 45c., lb. \$1.25.

**Long Scarlet Short Top.** Long and crisp, for frames or open ground. Pkt. 5c., oz. 15c., ¼ lb. 40c., lb. \$1.25.

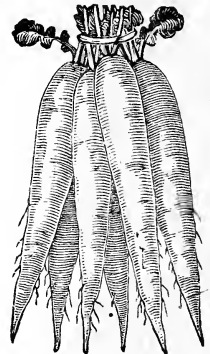
**White Vienna.** Finest white radish. It is long, slender, pure white, roots of excellent quality. Fine for forcing. Pkt. 5c., oz. 15c., ¼ lb. 40c., lb. \$1.25.

**White Stuttgart.** A turnip shaped, white radish, growing to large size; fine quality. Pkt. 5c., oz. 15c., ¼ lb. 45c., lb. \$1.50.

**Long Black Spanish.** A good winter variety. Pkt. 5c., oz. 15c., ¼ lb. 40c., lb. \$1.25.



SCARLET GLOBE RADISH



WHITE VIENNA RADISH

### Salsify or Vegetable Oyster

One of the most delicious and nutritious of vegetables.

Sow early in the spring in drills 14 inches apart and 1 inch deep. Cultivate the same as for carrots and parsnips. They can be left in the ground until spring.

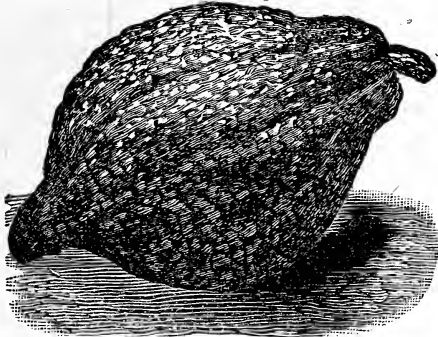
*One ounce to 50 feet of drill.*

**Mammoth Sandwich Island.** This variety grows to a large size and is superior in quality to the Long White. Pkt. 10c., oz. 25c., ¼ lb. 85c.

## SQUASH

Squashes are quite tender and should not be planted until the ground has become thoroughly warm and all danger of frost is past. Plant in light, rich soil, well pulverized. Bush varieties should be planted about 4 feet apart and the running varieties about 8 feet.

*Bush varieties, one ounce to 40 hills; running varieties, one ounce to 15 hills, three to four pounds per acre.*



HUBBARD SQUASH

**Early Giant Summer Crookneck.** A desirable table sort, of dwarf, bushy habit, and very productive; the flesh is thick, yellow and of fine quality. One of the best market varieties. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Mammoth White Bush Scallop.** Pure white, producing large, thick fruit of fine flavor, early and productive. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Delicious.** Fine grained, sweet and dry, no other squash can equal it in sweetness and richness of flavor. In shape and color it is similar to the Hubbard. Weighs from five to ten pounds. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 65c., lb. \$2.00.

**Early Prolific Marrow.** The earliest of the running varieties, maturing ten days earlier than the Boston Marrow; color a bright orange red; keeps well. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Boston Marrow.** A standard fall variety of a bright yellow color, an excellent sort for pies and largely used by canners. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Warren.** Has a shell harder than the Essex Hybrid and the color is of a deeper orange; the quality is superior. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Hubbard (Cape Elizabeth grown).** The standard winter squash, more largely grown than any other late variety, dark green skin and rich flesh, an excellent keeper. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.

**Golden Hubbard.** Same type as the Green Hubbard but of rich orange red color and earlier to mature. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.

**Blue Hubbard.** Flesh fine-grained, dry and of excellent flavor, a good keeper. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. 90c., lb. \$3.00.

**Vegetable Marrow, English.** The fruit should be eaten when less than half grown; color creamy white, flesh white. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c.

**Vegetable Marrow, Italian.** Oblong, skin dark green at first, but changes to a lighter green as it matures. Excellent quality. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c.

## SPINACH

Sow early in the spring in drills one foot apart, covering the seed one inch deep, thinning out as it grows. For a succession sow every two weeks. For winter and early spring use, sow in August; cover with straw on the approach of severe cold weather.

*One ounce to 50 feet of drill; ten to twelve pounds to the acre.*



VICTORIA SPINACH

**Round Thick-Leaved.** A large, dark-green, thick-leaved variety; stands a long time before running to seed. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Victoria.** A variety of dense foliage, leaves thick and of a dark-green color. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Long Season.** A dark-green crumpled variety which withstands the hot weather without shooting to seed for a long time; very desirable for spring planting and of excellent quality. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Bloomsdale.** A very hardy variety; large thick, crumpled leaves, a favorite with Market Gardeners. The best for early spring or fall. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Prickly or Winter.** The hardiest variety for fall planting. Pkt. 5c., oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**New Zealand.** A plant of branching habits which stands drought. Soak the seeds in warm water before planting. Plants should not be closer than 2 feet apart each way. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.25.

"Sterling Quality" Seeds are the highest grade obtainable and intended for the particular market gardener, florist and individual.

SEND US YOUR MAIL ORDERS

# TOMATO

Sow the seeds about the first week in March in a hotbed, greenhouse or in shallow boxes in a window. When the plants are about three inches high transplant to cold frames, setting the plants about 4 inches apart or in pots singly. Transplant to the open ground when all danger of frost is past. Set in rows 4 feet apart each way, using a shovelful of rotten manure in each hill.

One ounce will produce about 1,500 plants.

Our Tomato Seeds are grown from selected Stocks.

**"John Baer."** An extra early variety of superior merit. It produces perfect, solid high crown, beautiful, brilliant red tomatoes, is almost seedless, and has a mild, deliciously sweet flavor. Uniform in size and ripening. An invaluable variety for the market or home garden. Pkt. 5c.,  $\frac{1}{4}$  oz. 20c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.50.

**Abbotts Early Red.** A deep blood red variety. Foliage and vine medium. The fruit is smooth, uniform and of excellent flavor and quality. Pkt. 10c.,  $\frac{1}{2}$  oz. 30c., oz. 50c.

**Earliana.** The best extra early variety. It is the earliest large tomato; color bright red, growing in clusters of medium size, smooth, solid, and of fine flavor; excellent for the market and home garden. Pkt. 5c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00.

**Chalk's Jewel.** Color bright red; flesh thick and solid, good quality. Pkt. 5c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00.

**Bonney Best.** Early and prolific; fruit is smooth, round scarlet, of fine flavor. Pkt. 5c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00.

**Early Detroit.** Fruit very smooth, uniform in size, nearly globe shaped, firm and of excellent quality; color purplish pink; vine vigorous and productive. Pkt. 5c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00.

**Stone.** The most reliable of the main crop, very large, bright scarlet, smooth, solid and very productive; is a good shipper. Pkt. 5c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00.

**Dwarf Stone.** Dwarf and compact growing, plant resembling Dwarf Champion but is of a stronger growth, yielding a large crop of very smooth, solid tomatoes of the finest quality, color bright scarlet. Pkt. 5c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00.

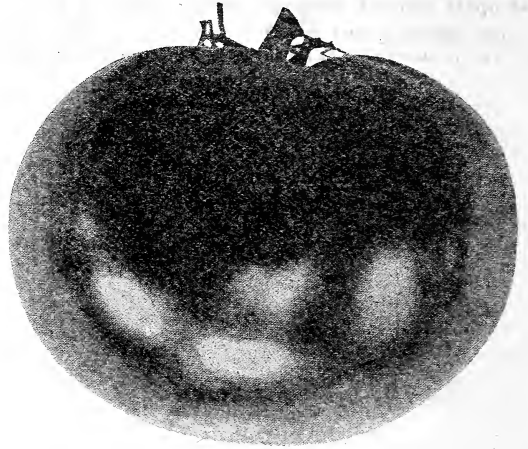
**Beauty (Livingston's.)** One of the best main crop tomatoes, vine large and vigorous, fruit purplish pink, smooth, large, solid and of excellent flavor. Grows in clusters of 4 to 6 and seldom cracks. Pkt. 5c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00.

**Ponderosa.** One of the largest varieties, flesh solid and of fine quality. Pkt. 5c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00.

**Red Cherry.** Scarlet fruit about the size of a cherry, used for pickling. Pkt. 5c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.

**Yellow Cherry.** Bright yellow, best for preserving. Pkt. 5c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.

**Strawberry or Husk.** The small yellow fruit grows in a husk, used for preserving. Pkt. 10c.,  $\frac{1}{2}$  oz. 25c., oz. 40c.



"JOHN BAER" TOMATO

# TURNIP

Turnips do best in rich, light, sandy soil. For early use, sow in the spring as soon as the ground can be worked in drills 1 foot apart. Cover  $\frac{1}{2}$  inch deep. Thin plants to 6 inches apart. For a succession, sow every two weeks until August. Rutabagas are usually sown broadcast, but larger crops are obtained if the seed is sown in drills 18 inches apart and thinned out to 8 or 10 inches in the rows. Sow from June to the middle of July.

One ounce will sow 150 feet of drill; one to two pounds to an acre.

**Early Purple Top Milan.** One of the earliest flat turnips; flesh solid and of good quality. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**Early White Milan.** Extra early; roots of medium size, pure white, sweet and tender. It is a rapid grower and desirable for early use. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.



WHITE MILAN  
TURNIP

**Purple Top Strap Leaf.** A well-known and popular variety for the main crop, largely grown for both table and stock. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.00.

**Purple Top White Globe.** An early variety, of superior quality, globe-shaped, white flesh, tender and sweet, one of the best for table use. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.00.

**White Egg.** A pure white, egg-shaped variety of rapid growth; flesh firm, sweet and mild. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.00.

**Golden Ball.** Very early, fine quality and of excellent flavor. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.00.

**Cow Horn or Long White.** A very productive, quick-growing turnip, carrot-like in form, growing nearly half out of the ground. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.00.

# TURNIP—Continued

## Rutabaga or Swede Turnip

### American Purple Top.

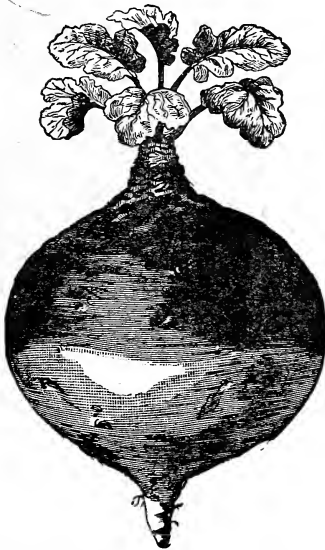
Very hardy, productive, and a good keeper; flesh yellow and solid, a fine variety for table use. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.00.

### Carter's Imperial

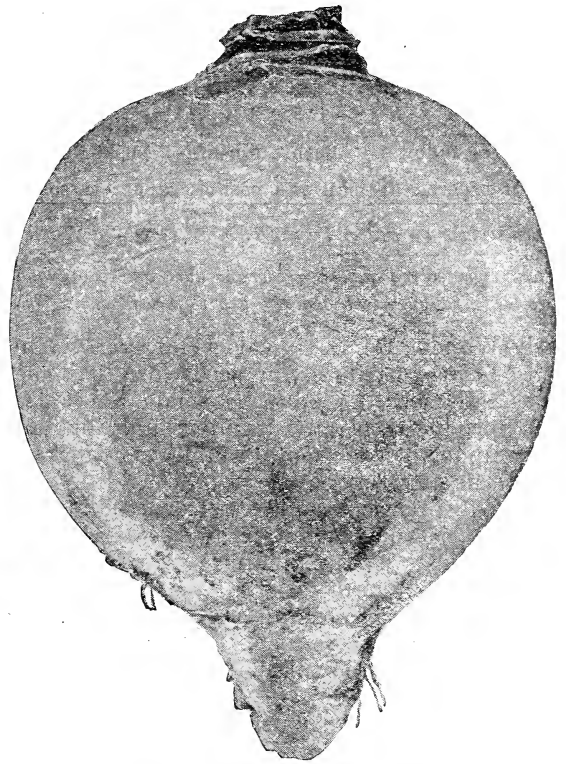
**Purple Top.** Very large and productive; smooth, round heads, yellow flesh, and of good quality. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.00.

### Lang's Mammoth.

This variety is an enormous cropper and one of the most hardy, globe-shaped, with short neck, dwarf foliage, and a clean single tap root. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.00.



AMERICAN PURPLE TOP  
RUTABAGA



PERFECT MODEL RUTABAGA

**Sweet German.** Flesh white, hard and sweet, keeps well. Pkt. 5c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.00.

**Perfect Model.** An improved strain of the finest yellow-fleshed rutabaga, remarkable for uniform shape and fine quality, very sweet and tender and a good keeper. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.25.

## Sweet and Medicinal Herbs

Sow in the spring in shallow drills, 1 foot apart; when up a few inches thin out to proper distances, or transplant; cut the herbs when in flower, tie them up in small bunches and hang in the shade to dry.

<b>Anise</b> <i>Annual</i>	Per oz. 25c., pkt. 10c.	<b>Lavender</b> <i>Perennial</i>	Per oz. 40c., pkt. 10c.
<b>Balm</b> <i>Perennial</i>	Per oz. 30c., pkt. 10c.	<b>Marjoram, Sweet</b> <i>Annual</i>	Per oz. 30c., pkt. 10c.
<b>Basil, Sweet</b> <i>Annual</i>	Per oz. 25c., pkt. 10c.	<b>Mint</b> <i>Perennial</i>	pkt. 25c.
<b>Caraway</b> <i>Biennial</i>	Per oz. 25c., pkt. 10c.	<b>Saffron</b> <i>Annual</i>	Per oz. 20c., pkt. 10c.
<b>Catnip</b> <i>Perennial</i>	Per oz. 60c., pkt. 10c.	<b>Sage</b> <i>Annual</i>	Per oz. 50c., pkt. 10c.
<b>Dill</b> <i>Biennial</i>	Per oz. 20c., pkt. 10c.	<b>Summer Savory</b> <i>Annual</i>	Per oz. 30c., pkt. 10c.
<b>Fennel, Sweet</b> <i>Perennial</i>	Per oz. 20c., pkt. 10c.	<b>Thyme</b> <i>Perennial</i>	Per oz. 50c., pkt. 10c.

We hope our customers will mail orders early this season as it gives us an opportunity to extend to them that little extra attention which means so much to a customer. Why not send the order NOW upon receipt of the catalogue?

## FIELD CORN

### Prices Subject to Market Changes

Prices do not include delivery. Add cost of bags when ordering, as follows:  $\frac{1}{2}$  bush., 10 cents; 2 bush., 50 cents.

If ordered by mail add postage at parcel post rates.

Corn weight by Parcel Post; Qt. 2 lbs.; 4 Qts. 8 lbs.; Pk. 15 lbs.

Plant eight to ten quarts per acre in hills, one to one and one-half bushels broadcast, one bushel in drills.

**Early Wonder Dent.** A variety of great value. Heretofore, earliness in seed corn has meant that the growth would be small; and a corn that produced heavily usually could not be depended upon to reach maturity in an ordinary season in this section.

All practical and experienced dairymen agree that ensilage containing the largest amount of grain is by far the most valuable for producing a good quality as well as a large quantity of milk, to say nothing of the much lessened amount of grain necessary in the regular ration.

Qt. 25c., pk. 85c., bu. \$2.75.

**Early Smoky Dent.** A new variety of Dent Corn. It is a very hardy grower, and prolific yielder for so early a corn. This corn has nice leafy stalks, averaging 8 feet or more in height, which very often carries two nice ears measuring 8 to 10 inches in length, well filled with a good sound kernel, with a dark red shade, tipped with pure white.

This corn can be grown with success anywhere that Early Canada Flint Corn matures. Qt. 25c., pk. \$1.00, bu. \$3.00.

**Pride of the North.** A very early Yellow Dent variety. Deep yellow kernels. Qt. 20c., pk. \$1.00, bu. \$2.75.

**Mortgage Lifter.** A heavy yielding, Yellow Dent Corn. Stocks are quite tall and furnish a large amount of fodder which contains a good percentage of grain. The ears are 8 to 10 inches in length, and from 12 to 16 rows. Qt. 20c., pk. 85c., bu. \$2.75.

**Genuine Eureka Ensilage.** The corn that grows more ensilage to the acre than any other variety. It grows very tall, attaining a height of 12 to 15 feet and makes a heavy, thick growth of fodder. Try this variety if you want the maximum tonnage. Pk. \$1.00, bu. \$3.00.

**Stickney. (Yellow Flint).** The ears are from 10 to 12 inches long,  $1\frac{1}{2}$  to  $1\frac{3}{4}$  inches in diameter. The cob is small, kernels large and broad. The stalks grow about 9 feet high. Pk. \$1.00, bu. \$3.50.

**Leaming.** Large deep grains, very early; stocks are leafy and makes excellent fodder. Qt. 20c., pk. 85c., bu. \$2.50.

**Early Eight-Rowed Yellow Flint.** The earliest yellow variety. Matures in about 90 days. Seed grown in Maine. Qt. 25c.,  $\frac{1}{2}$  pk. 65c., pk. \$1.00, bu. \$3.25.

**Sanford.** An early white flint, eight-rowed variety, largely grown for ensilage. Qt. 20c., pk. 85c., bu. \$2.50.

**Sweet Fodder.** For ensilage; and a green summer food for stock. Qt. 15c., pk. 75c., bu. \$2.00.

**White Rice Pop Corn.** The most popular for general use.  $\frac{1}{2}$  pt. 15c., pt. 20c., qt. 30c.



MORTGAGE LIFTER ENSILAGE CORN

# GRAINS AND FARM SEEDS

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Prices do not include delivery. Add cost of bags when ordering, as follows:  $\frac{1}{2}$  bush., 10 cents; 2 bush., 40 cents.

**Spring Wheat, Marquis. (Beardless.)** An early and productive variety. The kernel is flinty, darker red and more plump than Red Fife and matures a week to ten days earlier; weight 64 to 66 lbs. per measured bushel. Write for price.

**Barley, Chevalier.** A two-rowed variety, very hardy and productive. The grain is large and plump. Per bushel. Write for price.

**Barley, Beardless.** Early, hardy and productive. Per bushel. Write for price.

**Hungarian.** A popular annual used for hay and forage, yielding two to three tons per acre. Sow 1 bushel to the acre. Weight 48 pounds per bushel. Write for price.

**Golden Millet.** Grown for hay or green fodder. Sow 1 bushel to the acre. Weight 50 pounds per bushel. Write for price.

**Japanese or Barnyard Millet.** A forage plant of excellent quality, growing 6 to 8 feet in height, and yielding 10 to 15 tons per acre. Sow 20 lbs. per acre broadcast, 15 lbs. in drills 18 inches apart. Write for price.

**Soja Beans.** Valuable as a forage crop or green manure; also as a green fodder and silo plant.

**Early Dwarf Green.** An early maturing variety. Write for price.

**Early Hollybrook.** Makes a large growth of forage. Write for price.

**Southern Cow Peas.** One of the largest yielding forage crops grown.

**Whippoorwill.** An early, upright-growing variety; makes a good growth of vine, which can be easily cut and cured as dry forage. Write for price.

**Spring Vetches.** Valuable for soiling, also grown with oats for feeding to stock. Write for price.

**Winter Vetches.** Very hardy, recommended for fall sowing with rye. Write for price.

**Dwarf Essex Rape.** A forage plant of great value, furnishing rich pasturage for sheep, hogs or cattle within six weeks from the time of sowing. It also makes splendid green feed for poultry. Sow 8 lbs. per acre broadcast, 4 lbs. per acre in drills. Per lb. 20c. by mail 25c.; per 100 lbs. \$18.00.



A FIELD OF WASHINGTON OATS

**Washington Oats.** A fine, heavy oat, originating in New York. One of the best and most reliable of spring oats. It is an open-headed or tree type of oats, thin hulls making them especially valuable as a feeding oat. They are less liable to rust than most any other sort. Weight, 36 to 40 lbs. measured bushel. Write for price.

**Maine 340 Oats.** This variety makes a strong growth of straw. The heads are large and bushy, yielding large crops of oats of fine quality. Write for Price.

**Spring Rye.** An excellent crop for fodder or grain. Write for price.

**Winter Rye (Rosen.)** Rosen Rye produces a strong vigorous straw and stools to a remarkable degree. The grain is large, plump, heavy and beautiful color. Owing to its vigorous stooling property, less seed is required per acre. Write for price.

**Buckwheat (Japanese.)** The best and most profitable variety. It is earlier and more productive than the Silver Hull. Write for price.

**Canada Field Peas.** A valuable crop for soiling and for cattle feed. Sow  $2\frac{1}{2}$  bushels per acre—if sown with oats, use one and one-half bushels each of the oats and peas. Pk. \$1.50, bu. \$5.00.

**Sunflower, Mammoth Russian.** This is the best variety to grow. The seed is largely used for feeding poultry, the whole plant makes fine ensilage. Plant and cultivate like corn. Sow 6 lbs. per acre. By mail postpaid, oz. 5c., lb. 20c., not prepaid, lb. 15c.

# GRASS AND CLOVER SEEDS

Prices Subject to Market Changes

## SPECIAL QUOTATIONS WITH SAMPLES ON APPLICATION

Prices do not include delivery. Add cost of bags when ordering, as follows:  $\frac{1}{2}$  bush., 10 cents; 2 bush., 40 cents.

**Timothy.** "Sterling Quality." One of the most important of hay grasses, producing a larger crop than any other grass when sown on rich loamy or clayey soils. We sell only the purest and best obtainable.

**Kentucky Blue Grass.** An excellent grass for pastures and lawns.

**Orchard Grass.** Yields large crops of excellent hay, also valuable for pastures, and also succeeds in shady situations better than most other grasses.

**Red Top.** "Sterling Quality." A permanent grass, valuable for hay or pasture.

**Rhode Island Bent Grass.** A valuable perennial for lawns.

**Sweet Vernal (Annual.)** Lasts only one season. Imparts a fragrant odor to grass while being cut.

**Sweet Vernal (Perennial.)** Same as the annual variety, with the exception that it is of a perennial nature.

**Alsike Clover.** "Sterling Quality." A hardy variety and one of the best for sowing with other clovers or grasses. The blossoms are fragrant and are much liked by bees.

**Alfalfa or Lucerne Clover.** Valuable as hay and forage crop.

**Crimson Clover.** An annual variety growing about one foot high.

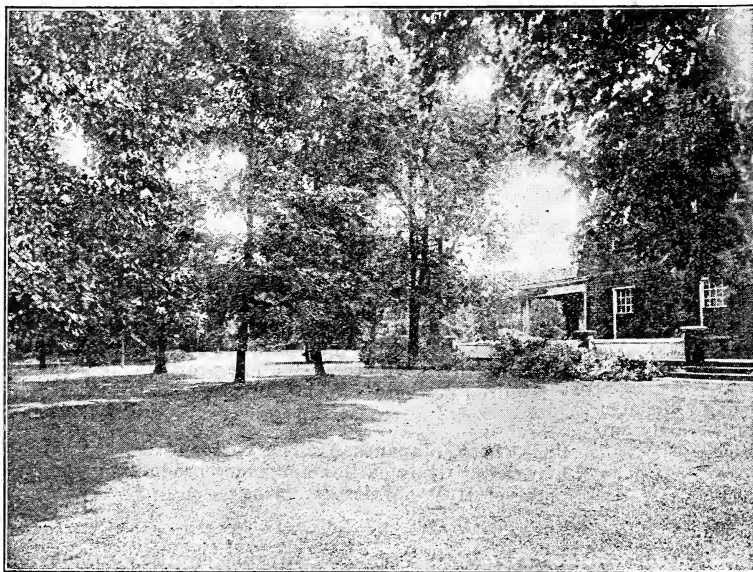
**Red Clover.** "Sterling Quality." Excellent for pastures and hay. Adds humus to the soil wherever it is sown.

**Sweet Clover, Bokhara (Melilotus Alba.)** Used as a soil-improving crop.

**White Clover.** Largely used in lawn and pasture mixtures.

## LAWN GRASS SEEDS

Lawns made from seed are generally superior to those made by laying turf, and there is a large saving in the expense. The soil should be carefully prepared, made firm and smooth, well drained, and enriched with commercial fertilizer or well-rotted manure.



### A., S. & L. EXTRA FINE MIXED.

A combination of the finest and purest grasses best adapted for a permanent lawn. For beautiful, velvety lawns, the "A., S. & L." Lawn Grasses is the best that can be used. We have received many complimentary reports from customers who have used this Lawn Seed. Lb. 40c., by mail 45c.

**Pinetree.** This mixture is composed of grasses adapted to general lawn purposes. Lb. 30c., by mail 35c.


**A., S. & L. Golf Links Mixture.** Made from a formula that will produce a turf which will withstand rough usage. Lb. 50c., by mail 55c.

**A., S. & L. Putting Green Mixture.** The varieties in this mixture are the finest low growing and most hardy kinds. Lb. 55c., by mail 60c.

**SHADY SPOT MIXTURE.** A mixture of fine grasses that will make satisfactory growth under trees and in shady places. Lb. 45c., by mail 50c.


## A., S. & L. PERMANENT PASTURE MIXTURE

This is a mixture composed of the best varieties of the different perennial Grasses and Clover, blended in the right proportions for giving a fine, heavy growth of pasture throughout the season and which will last in the ground for many years. Sow at the rate of 35 lbs. to the acre. Per lb. 40c. By mail prepaid 45c per lb., 10 lbs. by Express not prepaid, \$3.50.



Inoculate Your  
Alfalfa, Clovers, Cow Peas, Soy Beans, Vetches  
and  
Other Legume Crops  
WITH  
**Mulford Cultures**  
*FOR LEGUMES*

Small Cost      Large Returns      Easy to Use      No Labor Expenses



Mulford Cultures contain pure, tested strains of active, vigorous nitrogen-fixing bacteria, for inoculating seeds of legumes or soil.

Enormous numbers of these very valuable and desirable bacteria are thus available to you in every package of Mulford Culture and may readily be applied to your seed. The sealed bottle insures purity.

Mulford Cultures are prepared for:

ALFALFA	RED CLOVER	SOY BEANS	GARDEN PEAS
CRIMSON CLOVER	ALSIKE CLOVER	VETCH	GARDEN BEANS
SWEET CLOVER	COW PEAS	SWEET PEAS	LIMA BEANS

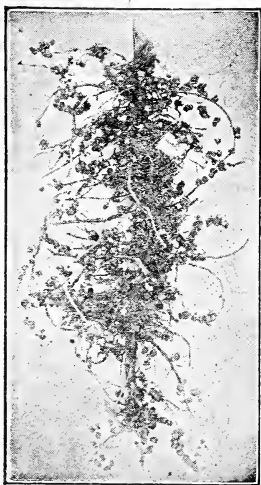
Always specify what crop you wish to inoculate, as there is a different strain of bacteria for each legume. Prices: 5-acre size \$5.00, 1-acre size \$1.50, 1/4 acre size 75c., small size 35c. Prices include postage.

**FREE DESCRIPTIVE FOLDER SENT UPON REQUEST**

# FARMOGERM

## A SEED INOCULANT

### That Increases Crop Production



Roots like this mean  
bigger yields—better  
soil.

Soil and crop experts agree that for best growth, and to put atmospheric nitrogen in the soil, it will pay all farmers to inoculate all legumes, even where they are at present successfully grown. The cost is trivial when compared with the profit it will bring you. Legumes are clovers, peas and beans, alfalfa, soy beans, vetches, and other plants that grow their seeds in a pod. Their roots are the home of bacteria that draw fertility-building nitrogen from the air and store it in swellings on the roots, called nodules. These nodules not only feed nitrogen to the crop they are on, but rot away in the ground and supply valuable nitrogen to the soil for future crops. The one-acre size bottle is sufficient for 15 pounds of clover, 20 pounds of alfalfa, 100 pounds of Canada Field Peas, 60 pounds of Vetch, etc. A different bacteria is required for each crop. When ordering, be sure to state what crops you wish to inoculate.

A special composite culture is prepared for peas, beans, and sweet peas, 1/4 acre size only. You'll get more peas and beans, and larger sweet peas by using this. Ask for No. 5, price 50c.

Farmogerm prices are: 1-acre size, \$1.00; 3-acre size, \$2.50; 12-acre size, \$9.00. Full directions accompany each bottle.

#### STANLEY'S CROW REPELLENT.

Saves replanting, prevents crows, other birds and animal pests from pulling corn. Protects corn from rot caused by moisture. Makes seed germinate faster. Does not clog planter. Large can, enough for two bushels of seed corn, \$1.50. Small can, enough for one bushel, \$1.00.



## PLANTING TABLE

Quantity of Seeds or Number of Plants Required for a Row 100 Feet in Length, with Distance to Plant and Time for Planting

Kind of Vegetable	Seeds or Plants Required for 100 Feet of Row	Distance for Plants to Stand Hand Cultivation		Depth of Planting	Time of Planting in Open Ground	Ready for Use After Planting
		Rows Apart	Plants Apart in Rows			
Asparagus, seed	1 ounce	1 to 2 ft.	3 to 5 in.	1 to 2 in.	Early spring	3 to 4 years
Asparagus, plants	60-80 plants	12 to 24 in.	15 to 20 in.	3 to 5 in.	Early spring	2 to 3 years
Beans, bush	1 quart	18 to 24 in.	3 to 4 in.	1 to 2 in.	April to July	40 to 65 days
Beans, pole	1 pint	3 to 4 ft.	3 to 4 ft.	1 to 2 in.	May and June	50 to 80 days
Beets	2 ounces	12 to 18 in.	5 or 6 to ft.	1 to 2 in.	April, May and June	90 to 120 days
Cabbage, early	½ ounce	24 to 30 in.	12 to 18 in.	½ in.	April and May. (Start in hot-bed during March)	90 to 130 days
Cabbage, late	½ ounce	24 to 36 in.	16 to 24 in.	½ in.	May and June	90 to 130 days
Carrot	1 ounce	18 to 24 in.	6 or 7 to ft.	½ in.	April to June	75 to 110 days
Cauliflower	½ ounce	24 to 30 in.	14 to 18 in.	½ in.	April to June. (Start in hot-bed during March)	100 to 130 days
Corn, sweet	1 pint	30 to 36 in.	30 to 36 in.	1 to 2 in.	May and June	90 to 120 days
Cress	½ ounce	12 to 18 in.	4 or 5 to ft.	½ to 1 in.	March to May. April to June	30 to 40 days
Cucumber	½ ounce	4 to 6 ft.	4 to 6 ft.	1 to 2 in.	May to July	80 to 100 days
Endive	1 ounce	18 in.	8 to 12 in.	½ in.	May	90 to 110 days
Kohl-rabi	½ ounce	18 to 24 in.	4 to 8 in.	½ in.	April to June	60 to 90 days
Lettuce	½ ounce	12 to 18 in.	4 to 6 in.	½ in.	April to August	60 to 90 days
Melon, muskmelon	1 ounce	6 to 8 ft.	Hills 6 ft.	1 to 2 in.	May and June	120 to 150 days
Melon, watermelon	1 ounce	8 to 12 ft.	Hills 10 ft.	1 to 2 in.	May and June	100 to 120 days
Mustard	½ ounce	12 to 18 in.	4 or 5 to ft.	½ in.	April and May	60 to 90 days
Onion, seed	1 ounce	12 to 18 in.	4 or 5 to ft.	½ to 1 in.	April and May	130 to 150 days
Onion, sets	1 quart of sets	12 to 18 in.	4 or 5 to ft.	1 to 2 in.	March to May	90 to 120 days
Parsley	1 ounce	12 to 18 in.	3 to 6 to in.	½ in.	Early spring	90 to 120 days
Parsnip	1 ounce	18 to 24 in.	5 or 6 to ft.	½ to 1 in.	April and May	125 to 160 days
Peas	1 to 2 pints	30 to 36 in.	15 to ft.	2 to 3 in.	March to July	60 to 90 days
Pepper	½ ounce	18 to 24 in.	15 to 18 in.	½ in.	May and June	100 to 120 days
Potato, Irish	5 lbs. (or 9 bu. per acre)	24 to 36 in.	14 to 18 in.	4 in.	April to June	80 to 140 days
Pumpkin	1 ounce	8 to 12 ft.	Hills 8 to 12 ft	1 to 2 in.	May to July	100 to 140 days
Radish	1 ounce	12 to 18 in.	8 or 12 to ft.	½ to 1 in.	March to September	20 to 40 days
Rhubarb, plants	33 plants	3 to 5 ft.	3 ft.	2 to 3 in.	Early spring	1 to 3 years
Rutabaga	1 ounce	18 to 24 in.	6 to 8 in.	½ in.	May and June	60 to 80 days
Spinach	2 ounces	12 to 18 in.	7 or 8 to ft.	1 to 2 in.	September or early spring	40 to 60 days
Squash, bush	1 ounce	3 to 4 ft.	Hills 3 to 4 ft.	1 to 2 in.	May and June	70 to 90 days
Squash, late	1 ounce	7 to 10 ft.	Hills 7 to 9 ft.	1 to 2 in.	May and June	120 to 160 days
Turnip	1 ounce	18 to 24 in.	6 or 7 to ft.	¼ to ½ in.	May to July	60 to 80 days

TABLE SHOWING THE QUANTITY OF SEED USUALLY SOWN UPON AN ACRE

Barley, broadcast	2 to 3 bush.	Onion Sets, in drills	8 bush.
Beans, Dwarf, in drills	1¼ bush.	Parsnip, in drills	5 lbs.
Beans, Pole, in hills	10 to 12 qts.	Peas, Canada field, broadcast	120 to 150 lbs.
Beets, Table, in drills	6 lbs.	Peas, Canada field, with oats	75 to 90 lbs.
Beets, Mangel-Wurzel	6 lbs.	Peas, cow, broadcast	60 to 75 lbs.
Buckwheat	1 bush.	Peas, cow, in drills	45 to 60 lbs.
Cabbage, in beds to transplant	¼ lb.	Potatoes (Cut Tubers)	10 bush.
Carrot, in drills	3 to 4 lbs.	Pumpkins, in hills	4 lbs.
Clover, Alsike, alone	5 to 6 lbs.	Radish, in drills	8 lbs.
Clover, Alsike, in mixture	2 to 4 lbs.	Rye, broadcast	1½ bush.
Clover, Crimson	12 to 15 lbs.	Rape, broadcast	6 to 8 lbs.
Clover, Red, alone	8 to 12 lbs.	Rape, in drills	4 to 5 lbs.
Clover, Red, in mixture	4 to 6 lbs.	Sage, in drills	8 lbs.
Clover, Sweet, unhulled	25 to 30 lbs.	Spinach, in drills	10 lbs.
Clover, White,	4 to 8 lbs.	Squash (Bush Varieties), in hills	2 lbs.
Clover, Lucerne or Alfalfa	20 lbs.	Squash (Running Varieties), in hills	4 lbs.
Corn, Sweet, in hills	10 qts.	Soy Beans, broadcast	60 to 90 lbs.
Corn, for ensilage	16 qts.	Soy Beans, in drills	30 to 45 lbs.
Cucumber, in hills	2 lbs.	Soy Beans, in drills with corn	15 to 20 lbs.
Grass, Kentucky Blue	42 lbs.	Sunflower	6 to 8 lbs.
Grass, Orchard	22 lbs.	Tomato, to transplant	¼ lb.
Grass, Red Top (Recleaned)	6 lbs.	Turnip, broadcast	2 lbs.
Grass, Timothy	½ bush.	Turnip, in drills	1½ lbs.
Grass, Hungarian	1 bush.	Vetch, Hairy, drilled (plus 1 bu. small grain)	40 to 50 lbs.
Grass, Lawn	75 lbs.	Vetch, Hairy, broadcast plus 1 bu. small grain)	50 to 60 lbs.
Melon, Musk, in hills	2 to 3 lbs.	Vetch, Spring, plus 1 bu. small grain	80 lbs.
Melon, Water, in hills	4 to 5 lbs.	Wheat, broadcast	1½ to 2 bush.
Millet, Japanese	20 lbs.		
Millet, Golden	1 bush.		
Oats, broadcast	2 to 3 bush.		
Onion, in drills	5 lbs.		

# CHOICE FLOWER SEEDS—Annuals

## General Directions For Cultivation

A rich, sandy loam is the best for most flowering plants. The soil of a good garden should be deep, well pulverized, and if fertilizers are used they should be thoroughly mixed with the soil.

It is best in practically all instances except hardy annuals to start the seed in boxes, preferably a box about 18x24 inches and 4 inches deep, using very sandy soil with leaf-mold that will not bake, and provide for drainage by boring some holes in the bottom of the box. It is best not to put any fertilizer in the seed box, since it is necessary to bring the plants to the third or fourth leaf, when they should be pricked out and reset in another box, in which the soil should be loam mixed with leaf-mold. It is important that the plant be of good size, strong and sturdy, when finally transplanted in the garden.

If the seed be sown directly in the garden, it should be sown in the spring after the soil is well worked and fertilized. When up, the plants must be thinned from two to twelve inches, depending on the variety, otherwise they will be weak and spindling. It is a mistake to leave plants too thick. A common mistake in sowing flower as well as other seeds is covering too deep. As a general rule, cover only to the depth of the thickness of the seeds, or with medium-sized seeds, like Balsams, Zinnias, etc., half an inch or less is the proper depth. Such fine seeds as Portulaca, Nicotiana, etc., need only to be pressed into the soil with a piece of board or palm of the hand. Always press the earth down firmly after sowing all flower seeds, else there is danger of their drying up before the roots can get firm hold of the soil. Seeds of the hardier annuals may be sown where they are to grow; but as a rule, it is preferable to transplant, as the plants are generally stronger and stand the drought better. During very dry weather, and when the seedlings are first set out, they should be watered frequently. Provide some support for all such annuals as require it.

The weeds should be kept down and the ground loosened often, so that the plants will receive the full benefit of the rains and dews, which they will not if the ground is allowed to become hard and baked.

Per Pkt.

**ACROCLINIUM.** A half-hardy annual, bearing white and rose-colored flowers which are used when dried for winter bouquets. 1½ feet.  
Rose and white, mixed.....\$0.05

**AGERATUM.** A beautiful, hardy annual. The flowers, which are produced in clusters, are very attractive in the garden and are very useful for bouquets.  
Little Blue Star. Bright blue flowers, 6 inches ..... .10  
Blue Perfection. Dark Blue. 1½ feet..... .10

**ALYSSUM.** A fragrant, hardy annual, bearing spikes of small, white flowers in great profusion throughout the summer and autumn. Useful for borders and for cutting.  
Sweet Alyssum. Flowers small and sweet, oz. 35c..... .05  
Little Dorrit. Pure white, very dwarf and sweet scented, oz. \$1.00..... .10  
Lilac Queen. Of dwarf compact habit, with flowers of a pure lilac color; 4 inches..... .10

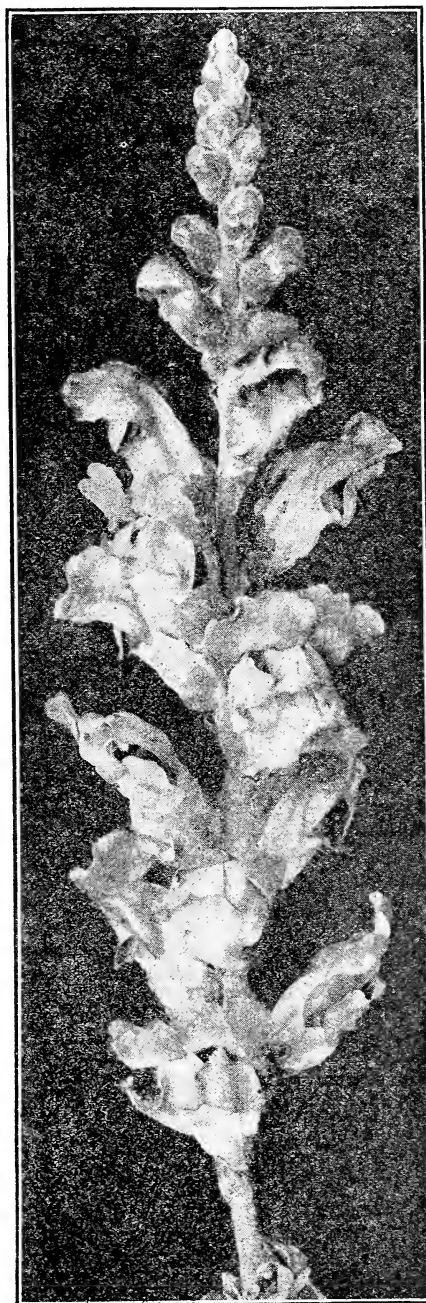
**AMARANTHUS.** Hardy annuals, grown especially for their brilliant foliage.  
Tricolor (Joseph's Coat.) The plant is 3 feet high, with brilliant leaves in variegated red, yellow, green, etc..... .05

### ASPARAGUS (Ornamental).

Plumosus Nanus. An excellent house plant for decorative purposes, on account of its light feathery growth..... .15  
Sprenger. A graceful house plant; valuable for hanging baskets..... .15

**ANTIRRHINUM (Snapdragon.)** A half-hardy perennial, easily raised from seed. Bloom profusely the first season from midsummer till fall.

SEND US YOUR MAIL ORDERS



ANTIRRHINUM OR SNAPDRAGON  
KATHARINE MORSE

### TALL, LARGE FLOWERING VARIETIES

	Per Pkt.
Carter's Victoria. White and red.....	.10
Cottage Maid. Pink, with white throat.....	.10
Defiance. Brilliant scarlet.....	.10
Nelrose. Rich coral pink.....	.15
Queen Victoria. Large pure white.....	.10
Large Yellow.....	.10
Katharine Morse. A wholly new type with wide flowers. The color is old rose blended. Calyx and stem dull gray green.....	.15
Silver Pink.....	.15
Large Flowering. Mixed colors..... ¼ oz. 35c.	.05

## ASTERS

A popular half-hardy annual produced in a great variety of classes and an almost endless number of colors. The tallest varieties grow about two feet high and some varieties of dwarfs are not six inches high. The best method of culture is to sow the seed in boxes in March or April. Cover the seeds about one-fourth inch deep with rich, light soil, and when the plants have three or four leaves transplant about 15 inches apart each way. The seed can be sown in rows where the plants are to remain, thinning them from six to twelve inches apart, according to variety. One of the best annuals for cut flowers.

### EARLY AND MEDIUM EARLY ASTERS

**Imperial Daybreak.** Flowers very large and double; color a shell pink; height 2½ feet. Per pkt. 10c., ¼ oz. 40c., ¼ oz. 70c.

**Imperial Purity.** Similar to Daybreak in form and habit of growth; the blooms are pure white. Per pkt. 10c., ¼ oz. 40c., ¼ oz. 70c.

**Imperial Lavender.** The form of the flower and the habit of the plant are identical with Daybreak, but the color is a delicate lavender. Per pkt. 10c., ¼ oz. 40c., ¼ oz. 70c.

**The Royal.** An early flowering aster; the plants are of branching habit; the flowers are very double and are borne in great profusion on long stems. Mixed colors. Per pkt. 10c., ¼ oz. 80c., ¼ oz. 45c.

**Queen of the Market.** One of the earliest blooming varieties. The plants are about 1 foot high, bearing from ten to fifteen finely formed flowers on long and graceful stems. White, light pink, lavender and mixed colors. Separate colors, or mixed. Per pkt. 10c., ¼ oz. 60c., ¼ oz. 35c.

### MID-SEASON ASTERS

**King.** Distinct from all others in the character of the flower, which is of great size and substance, growing fully 18 inches high. Crimson, pink, white and mixed colors. Pkt. 10c., ¼ oz. 30c., ¼ oz. 55c.

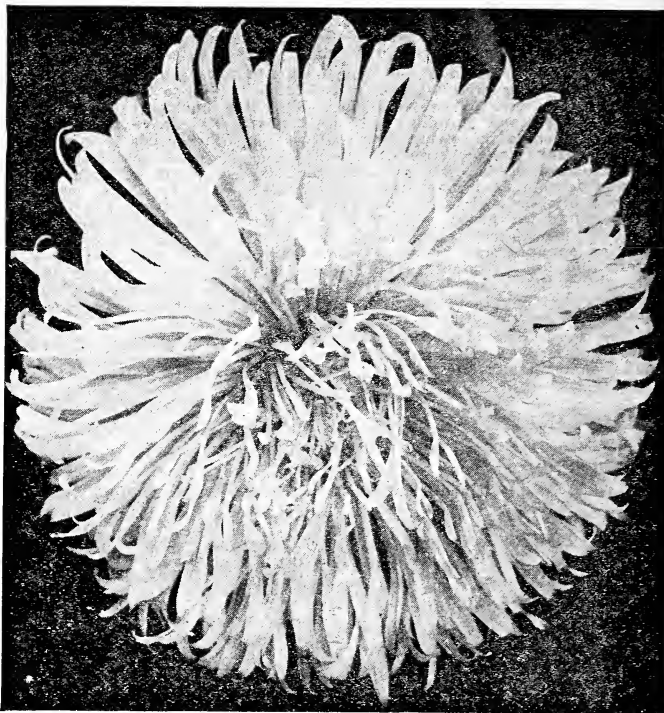
**Vick's Peerless Yellow.** The most satisfactory yellow yet produced. The flowers are large and remarkably full and ball shaped, the plants of branching type and very vigorous. Pkt. 20c., ¼ oz. 50c.

**Astermum.** A select strain of this new aster. The flowers are of immense size, with curled and twisted petals, closely resembling the blooms of Japanese Chrysanthemums. Mixed colors. Per pkt. 10c., ¼ oz. 75c., ¼ oz. 50c.

**Truffaut's Peony-Flowered Perfection.** This variety has brilliant and showy assortment of colors. Finest mixed. Per pkt. 10c., ¼ oz. 50c.

### MID-SEASON TO LATE ASTERS

**Improved Giant Crego.** One of the finest varieties of asters, flowers very large, often five inches across, with long, stout stems. Keep longer in good condition when cut than any other variety. Height 2½ feet. White, shell-pink, rose-pink, lavender, purple and mixed colors. Separate colors, or mixed. Per pkt. 10c., ¼ oz. 85c., ¼ oz. 50c.



### MID-SEASON TO LATE ASTERS—continued

**Dreer's Superb Late Branching.** The plants form strong, branching bushes 2 to 2½ feet high bearing on long, strong stems flowers which, under ordinary cultivation, average 5 inches across. White, shell-pink, rose pink, lavender and mixed colors. Separate colors, or mixed. Per pkt. 10c., ¼ oz. 60c., ¼ oz. 35c.

**Sensation.** Large, double flowers of rich garnet or ox-blood red. The plants are of branching habit, growing about 18 inches high. Per pkt. 15c., ¼ oz. 50c.

### BEAUTY ASTERS

A new type of late flowering asters. The plants are 2½ to 3 feet tall, bearing very large, double flowers on long strong stems.

**American Beauty.** Bright cerise-rose.

**Lavender Beauty.** Soft lavender.

**September Beauty.** Delicate shell-pink.

**White Beauty.** Pure white.

Per Pkt. 15c. A pkt. each of the 4 colors, 50c.

**China Asters.** General Mixture. A mixture of many sorts and colors blooming from early in the summer to late in the fall. Per pkt. 5c., ¼ oz. 20c.



BACHELOR'S BUTTON



BALSAM

**BACHELOR'S BUTTON.** Hardy annual of easy culture, one of the most attractive of all the old fashioned flowers. Sow the seed where it is to remain and thin to six inches.

	Per Pkt.
Blue .....	.05
Rose .....	.05
White .....	.05
Mixed Colors .....	1/2 oz. 15c. .05
Double Mixed Colors .....	1/2 oz. 25c. .10
Double Blue. Fine dark blue.....	1/4 oz. 20c. .10

**BALSAM.** A favorite garden flower producing masses of beautiful, brilliant-colored, double flowers of easy culture; succeeds in a good rich soil; set the plants one foot apart; tender annuals; 2 feet.

Double Camellia-Flowered. Finest mixed	.05
Double Rose-Flowered. Finest Mixed	
..... 1/4 oz. 25c.	.05
White Perfection. Double pure white.	
..... 1/4 oz. 50c.	.10

**BARTONIA AUREA.** A free-blooming, showy plant with large, golden-yellow flowers; 18 inches .....

.05

**BEANS, Flowering.** Popular ornamental climbers, 6 to 8 feet.

Scarlet Runner.....	.10
White Runner.....	.10

**BEGONIA SEMPERFLORENS.** A variety adapted for house or outdoor culture; easily grown. Seed sown in February or March makes fine plants for bedding out in June. Height 8 to 12 inches.

Choicest Mixed.....	.25
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**BEGONIA, Tuberous Rooted Varieties.** Very popular and showy plants for summer decoration or window gardening. Sow the seed indoors in February or March.

Single Choice Mixed.....	.25
Double Choice Mixed.....	.50

**BROWALLIA.** Very handsome, free-flowering plants. 1 1/2 feet high.

Elata. Blue .....	.05
Alba. White .....	.05
Mixed .....	.05

**CANARY BIRD VINE.** Half-hardy, climbing annual, bearing an abundance of bright yellow fringed flowers..... 1/2 oz. 15c.

.05



CALENDULA—ORANGE KING

	Per Pkt.
<b>CALENDULA.</b> Profuse-blooming dwarf annuals; of easy culture and flowering until frost.	
Orange King. Double, dark orange red, 1/4 oz. 15c. ....	.05
Lemon King. Lemon-yellow..... 1/4 oz. 15c.	.05
Meteor. Yellow flowers, striped with orange. .... 1/4 oz. 15c.	.05
Mixed Varieties..... 1/4 oz. 10c.	.05

**CALLIOPSIS (or Coreopsis.)** A hardy annual growing about 2 feet high, valuable for bright bedding effects or for cutting. Blooms from June until September.

Drummond. Yellow, with maroon center..	.05
Cloth of Gold. Flowers golden yellow.....	.05
Mixed. Fine Varieties..... 1/4 oz. 15c.	.05

**CALCEOLARIA.** A tender perennial, used largely in greenhouses and conservatories.

Carter's Victoria Prize. Mixed, all colors	.50
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**CANDYTUFT.** A hardy annual of easy culture and valuable for bedding or massing.

Giant Hyacinth Flowered. Very large heads and long spikes of white flowers. 1 foot. .... 1/4 oz. 25c.	.10
Crimson. 1 foot.....	.05
Purple. 1 foot.....	.05
Rose. 1 foot.....	.05
White. 1 foot.....	.05
Finest Mixed. 1 foot. Oz. 30c., 1/4 oz. 10c.	.05
Little Prince. Dwarf, white. 6 inches....	.10

**CANNA.** The Canna will bloom from seed the first year if the seed is sown early. Seeds should be soaked for twenty-four hours in warm water before sowing.

Crozy's Varieties. Mixed. New large-flowered and free-blooming sorts..... 1/4 oz. 20c.	.10
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**CATCHFLY.** Free-blooming, hardy plants of easiest cultivation, useful for beds and borders. 6 inches.

Mixed Colors.....	.05
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**CENTAUREA (Dusty Miller.)** Half-hardy perennial, used for borders or edgings.

Candidissima. Silvery white foliage, deeply cut; about 1 foot high.....	.10
Gymnocarpa. Leaves silver gray, with graceful, drooping habit. 1 1/2 feet.....	.10

	Per Pkt.		Per Pkt.
<b>CHRYSANTHEMUM (Annual.)</b> Summer-blooming annuals, growing 12 to 18 inches high. very effective for beds or cut blooms.		<b>CYPRESS VINE.</b> A summer, climbing annual with fine, feathery foliage and pretty, star-shaped flowers.	
Single Mixed..... $\frac{1}{4}$ oz. 15c.	.05	Scarlet .....	.05
Double Mixed..... $\frac{1}{4}$ oz. 15c.	.05	Mixed .....	.05
<b>CINERARIA.</b> Magnificent flowering plant for spring decoration for the conservatory or window garden. The flowers measure 2 to 3 inches across; are of white, blue, violet and crimson shades.		<b>DATURA.</b> Large, strong-growing plants with large, trumpet-shaped flowers. 3 feet.	
Carter's Brilliant Prize. Large flowering, choicest mixed.....	.25	Finest Mixed.....	.05
<b>CLARKIA.</b> Beautiful, hardy annuals with rose-colored, white and purple flowers in very brilliant shades. About $1\frac{1}{2}$ to 2 feet high and profuse bloomers.		<b>DIANTHUS or Pinks.</b> Hardy biennials that bloom the first season, remaining green all winter and blooming the next year also if lightly protected. Old plants flower the earliest, but as young ones give the largest, finest flowers, sowings are made every year. Seed can be sown under glass in the spring, or in an open, sheltered bed. The seedlings are easily transplanted. Average height, 1 foot.	
Single Mixed..... $\frac{1}{4}$ oz. 15c.	.05	Chinese Double Mixed..A mixture of brilliant coloring and marking..... $\frac{1}{4}$ oz. 15c.	.10
Double Mixed..... $\frac{1}{4}$ oz. 15c.	.05	Heddeewigi. Very large-flowering, double, choicest mixed, extra fine strain.....	.10
<b>COBAEA.</b> A rapid-growing climber, with handsome foliage and large bell-shaped flowers half-hardy perennial. 20 ft.		Marguerite, Giant Mixed. The flowers are of brilliant colors, ranging through many beautiful shades of red, pink, white, variegated, etc.; they are of perfect form and large size. Those sown in the spring commence flowering in early summer and continue to bloom until checked by frost..... $\frac{1}{8}$ oz. 30c.	.10
Scandens. Purple..... $\frac{1}{4}$ oz. 25c.	.10	Marguerite. Dark red .....	.10
<b>COCKSCOMB.</b> Very popular annuals of the easiest culture, producing large, ornamental comb-like heads; useful both for summer bedding and pot plants.		Marguerite. White .....	.10
Glasgow Prize. Brilliant, deep purplish-red combs, dark foliage. Height about 1 foot..	.10	Carter's Choice Double Mixed Carnation. Beautiful variety, producing double flowers of various shades and colors. Seed saved from choicest double flowers.....	.25
Finest Dwarf Mixed.	.10		
<b>COLEUS.</b> A tender perennial, growing about 10 to 18 inches high, and grown for its beautiful, bright-colored, velvety leaves.		<b>DAHLIA.</b> A popular late summer and autumn flowering plant. The seed may be planted early in the hotbed and the plants set out in May after all danger of frost is over. By sowing the seed early the plants may be made to bloom the first year.	
Mixed Hybrids. Finest Mixed varieties...	.25	Double Mixed.....	.10
<b>CONVOLVULUS major (Morning Glory.)</b> A handsome, showy climber of easy culture and suitable for covering windows, trellises, etc. The flowers are most brilliant in the morning and run through many shades from white to dark blue, red and striped. Hardy annuals 10 feet high.		Single Mixed.....	.10
Finest Mixed.....Oz. 15c., $\frac{1}{4}$ lb. 40c.	.05	<b>DRACAENA.</b> Ornamental plants for vases, baskets and house decorations.	
Imperial Japanese. Handsome flower of gigantic size and in colors ranging from snow white to carmine, through every shade of blue and purple to nearly black, and striped.		Indivisa. Narrow green leaves.....	.10
Oz. 25c. ....	.05	<b>FEVERFEW.</b> Free-flowering annuals for bed, borders and pot culture.	
<b>COSMOS.</b> A very effective flowering plant, quite hardy and rapid growing, forming bush-like plants 4 to 6 feet high and covered with large, single, dahlia-like flowers. Start in March and transplant to open ground about June first.		Double White.....	.10
Early Flowering, Mixed Colors.. $\frac{1}{4}$ oz. 20c.	.10	Golden Feather. Very popular for edgings.	
" " White ..... $\frac{1}{4}$ oz. 25c.	.10	1 foot.....	.10
" " Pink ..... $\frac{1}{4}$ oz. 25c.	.10	<b>GRASSES (Ornamental.)</b> Ornamental grasses serve the double purpose of rendering the mixed flower bed or border attractive during the summer and for the use of the spikes or panicles in a dried state in winter bouquets.	
" " Crimson ..... $\frac{1}{4}$ oz. 25c.	.10	Mixed Annual Varieties.....	.10
Lady Lenox. Late Flowering. Color, shell-pink. Plants strong and vigorous, growing 6 to 7 feet high..... $\frac{1}{4}$ oz. 25c.	.10		
<b>CYCLAMEN.</b> A tender perennial for greenhouses and window gardens. Easily grown from seed. Sow in August or September.			
Persicum Giganteum. Giant mixture.....	.50		



ESCHSCHOLTZIA

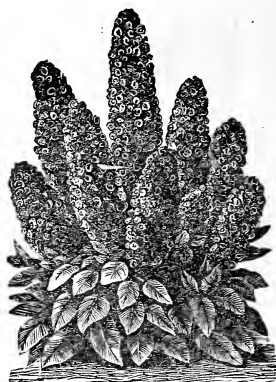


HELIOTROPE

- |  | Per Pkt. |  | Per Pkt. |
|--|----------|--|----------|
| <b>ESCHSCHOLTZIA (California Poppy.)</b> The foliage is finely cut and has a bluish tinge, delicate and very attractive. The large, handsome flowers, two inches or more in diameter, are produced in great profusion all summer. Seeds can be sown where the plants are to bloom. Hardy annual; height, 1 foot. |          | <b>HELIOTROPE.</b> This class of plants is one of the finest for cutting, as the delicious fragrance of all the varieties is very durable. For the same reason they make excellent house plants. Seed sown early in the spring in the house will make fine plants for summer bedding.                                |          |
| <b>Californica.</b> Deep yellow, orange center.  |          | <b>Queen Marguerite.</b> Bears immense clusters of large deep dark-blue flowers. Very fragrant   | .10      |
| .....Oz. 20c.  | .05      | <b>Finest Mixed.</b> ..... $\frac{1}{8}$ oz. 25c.  | .10      |
| <b>Mandarin.</b> Deep orange..... $\frac{1}{2}$ oz. 20c.   | .05      | <b>HOLLYHOCK.</b> Hardy annuals, blooming the first season.  |          |
| <b>Carminc King.</b> Carmine-Rose..... $\frac{1}{2}$ oz. 30c   | .10      | <b>Single Mixed.</b> ..... $\frac{1}{4}$ oz. 35c.  | .10      |
| <b>Single Mixed.</b> .....Oz. 20c  | .05      | <b>Double Mixed.</b> ..... $\frac{1}{4}$ oz. 50c.  | .10      |
| <b>Double Mixed.</b> ..... $\frac{1}{4}$ oz. 15c.  | .10      | <b>HELICHRYSUM.</b> (Straw Flower.) Everlasting flowers, large and full. Cut before the flowers fully expand. Hardy annual. 2 feet.  |          |
| <b>Californica Hybrida Grandiflora Mixture.</b> Large flowering erect type containing a large  |          | <b>Finest Double Mixed.</b> ..... $\frac{1}{4}$ oz. 25c.   | .05      |
| ..... $\frac{1}{4}$ oz. 25c.   | .10      | <b>HUMULUS JAPONICUS (Japanese Hop.)</b> Fast-growing, annual climber. 12 feet.. $\frac{1}{4}$ oz. 20c.  | .05      |
| <b>GAILLARDIA.</b> Very showy plants with brilliant flowers. Hardy annuals, 2 feet high.   |          | <b>HYACINTH BEAN.</b> Tender, climbing annual. Grows rapidly and is valuable for covering a trellis. The shining purple seed pods are very ornamental.   |          |
| <b>Double Mixed.</b> Annual..... $\frac{1}{4}$ oz. 15c.  | .05      | <b>Finest Mixed.</b> .....1 oz. 20c.   | .05      |
| <b>GLOBE AMARANTH.</b> Globe-shaped, everlasting flowers. If cut when well matured, will retain their beauty through the winter. Tender annuals; 12 to 18 inches high.   |          | <b>KOCHIA TRICOPHYLLA (Summer Cypress.)</b> A splendid ornamental annual plant, forming dense oval bushes 2 to 2 $\frac{1}{2}$ feet high, of small, feathery, light green foliage. As summer advances, this changes to a carmine hue and finally to a fiery red. A very attractive plant..... $\frac{1}{4}$ oz. 20c. | .05      |
| <b>Fine Mixed.</b> .....   | .05      | <b>LARKSPUR.</b> (Delphinium.) Very ornamental plants, producing, in great variety of form and colors, some of the most beautiful flowers in cultivation.  |          |
| <b>GODETIA.</b> Beautiful garden plants, having large, delicately shaded blossoms. Easily cultivated in garden soil. Hardy annual; about 1 foot high   |          | <b>Double Dwarf Rocket.</b> 1 foot in height   |          |
| <b>Finest Mixed.</b> ..... $\frac{1}{4}$ oz. 15c.  | .05      | Mixed colors..... $\frac{1}{4}$ oz. 15c.   | .05      |
| <b>GOURDS.</b> Ornamental, rapid-growing, trailing annuals, with curiously-shaped, highly-colored fruits. Cultivate the same as melons or squashes; 10 to 20 feet.   |          | <b>Stock-Flowered.</b> Double, branching; fine for cutting. 2 feet. Mixed colors..... $\frac{1}{4}$ oz. 15c.   | .05      |
| <b>Dipper or Calabash.</b> .....   | .05      | <b>LAVATERA (Mallow.)</b> Beautiful hardy annuals covered the entire summer with saucer-shaped flowers. The seed may be sown where they are to bloom. Height 2 to 3 feet.  |          |
| <b>Hercules' Club.</b> Club-shaped. 4 feet long..  | .05      | <b>Pink</b> .....  | .10      |
| <b>Egg-shaped.</b> Fruit white like an egg.....  | .05      | <b>White</b> .....   | .10      |
| <b>Orange-shaped (Mock Orange)</b> .....   | .05      | <b>LINUM Grandiflorum Rubrum (Scarlet Flax.)</b> A beautiful and effective plant of slender and delicate growth, having a profusion of bright flowers. Hardy annual; about 1 $\frac{1}{2}$ feet high   | .05      |
| <b>Bottle-Shaped</b> .....   | .05      |  |          |
| <b>Pear-shaped.</b> Striped, very showy.....   | .05      |  |          |
| <b>Luffa (Dish-cloth or Bonnet Gourd)</b> .....  | .05      |  |          |
| <b>Mixed Varieties</b> ..... $\frac{1}{2}$ oz. 15c.  | .05      |  |          |
| <b>GYPHOPHILIA (Baby's Breath).</b> Free-flowering, elegant plants, succeeding in any garden soil.   |          |  |          |
| <b>Elegans grandiflora alba.</b> A hardy annual, pure white flowers..... $\frac{1}{4}$ oz. 15c.  | .05      |  |          |



LUPINS



MIGNONETTE

	Per Pkt.		Per Pkt.
<b>LOBELIA.</b> The dwarf varieties are very useful for edging, and the trailing varieties for hanging baskets and window-boxes.			
<b>Erinus gracilis.</b> Blue trailing....	1/8 oz. 20c.	.10	
<b>White Gem.</b> Snow-white flowers....	1/8 oz. 20c.	.10	
<b>Crystal Palace Compacta.</b> 6 inches.			
Dark blue bedding variety.....	1/8 oz. 40c.	.10	
<b>LOVE-IN-A-MIST.</b> A hardy annual, 1 foot high, with finely cut foliage. Oddly shaped blossoms in blue and white, and curious seed pods. Of easy culture.			
Mixed. Blue and white shades.....	oz. 20c.	.05	
<b>LOVE LIES BLEEDING.</b> Light yellowish green foliage; long, drooping, crimson flower spikes. Plant 3 to 4 feet high. Hardy annual....			
		.05	
<b>LUPINS.</b> Showy plants, with long spikes of various colored pea-shaped flowers; very desirable for mixed borders.			
<b>Hartwegii, White.....</b>		.05	
<b>Hartwegii, Blue.....</b>		.05	
<b>Hartwegii, Rose.....</b>		.05	
<b>Fine Mixed.....</b>	1 oz. 30c.	.05	
<b>MALOPE.</b> Free-blooming, hardy annuals suitable for mixed borders and fine for cutting. Height 3 feet.			
<b>Grandiflora Mixed.....</b>	1/2 oz. 25c.	.05	
<b>MARIGOLD (Tagetes.)</b> A hardy annual plant, in dwarf and tall varieties, growing from 6 inches to 2 feet high. Foliage bright green, deeply cut and graceful. The flowers are various shades of yellow and brown. The tall varieties are very valuable for large bedding or background work, and the dwarf varieties for borders. Seeds can be sown in a cold frame and the plants transplanted late in the spring or in the open border.			
<b>DOUBLE AFRICAN VARIETIES</b>			
<b>Orange Prince.</b> A double variety with quilled petals; flowers showy, bloom very early.....	1/4 oz. 15c.	.05	
<b>Lemon Queen.</b> Large, lemon-colored flowers.....		.05	
<b>Finest Mixed.....</b>	1/2 oz. 20c.	.05	
<b>FRENCH VARIETIES</b>			
<b>Tall Double Mixed.....</b>	1/4 oz. 20c.	.05	
<b>Dwarf Double Mixed.....</b>	1/4 oz. 20c.	.05	
<b>Gold Striped.</b> Double variety, brilliantly marked and striped. 1 ft.....	1/4 oz. 20c.	.05	
<b>Legion of Honor.</b> A single, dwarf variety, desirable for borders; rich golden-yellow flowers with garnet blotches in center of each petal.....		.05	
<b>MIGNONETTE (Reseda.)</b> A hardy annual, growing 6 to 12 inches high and bearing pyramidal-shaped flower spikes, which are exceedingly fragrant. Grows easily from boxes or sown out in the garden and thinned to 4 or 6 inches. Valuable for potting, for bedding or for border.			
<b>Large Flowered.</b> Very sweet.....	Oz. 20c.	.05	
<b>Goliath.</b> A giant, red-flowered variety richly scented.....	1/4 oz. 50c.	.10	
<b>Carter's Perfection.</b> Large spikes, deliciously fragrant.....	1/4 oz. 30c.	.10	
<b>White Pearl.</b> Long spikes of fragrant white flowers.....		.10	
<b>MARVEL OF PERU.</b> The flowers of this old-fashioned favorite open about four o'clock in the afternoon and fade the next morning. 2 feet high, with bright foliage and fragrant flowers of desirable colors. Seed should be planted in the open ground where plants are desired.			
<b>Mixed colors.....</b>	oz. 20c.	.05	
<b>MOONFLOWER.</b> A beautiful vine which grows very rapidly, attaining a height of 50 feet in a season, producing flowers 3 to 4 inches across. Blossoms evenings and cloudy days. Soak the seeds in warm water 24 hours before planting.			
<b>Grandiflora Alba.</b> Large white flowers.....	1/2 oz. 20c.	.10	
<b>Giant Pink...</b> Soft lilac-pink flowers.....	1/2 oz. 20c.	.10	
<b>MOURNING BRIDE (Scabiosa.)</b> A very showy free-flowering plant, producing a great profusion of beautiful and richly-colored double flowers. Beautiful in the garden and excellent for bouquets. 12 to 18 inches high. Annual.			
<b>The Fairy.</b> Fine azure-blue.....		.05	
<b>Snowball.</b> White.....		.05	
<b>Cherry-Red.....</b>		.05	
<b>Rose.....</b>		.05	
<b>Black Prince.....</b>		.05	
<b>Golden Yellow.....</b>		.05	
<b>Mixed Colors.....</b>	1/4 oz. 20c.	.05	
<b>MIMULUS (Monkey Flower.)</b> Handsome flowers of easy cultivation. Perennial in the greenhouse, annual in the open air.			
<b>Mixed Spotted Varieties.....</b>		.10	
<b>MUSK PLANT.</b> Fragrant plant, with small yellow blossoms, spotted lightly with brown..			
		.10	



NASTURTIIUM

## NASTURTIIUM

A popular flower which is in constant bloom throughout the season, making a better display than almost any other plant. New colors are being developed, and in our list will be found all the best varieties that have been introduced.

Nasturtiums are of the easiest culture and require very little care after the seed is sown, merely weeding and the seed-balls picked off. If these are permitted to mature the beauty of the plant is soon lost. Plant the seed one inch deep in moderately good soil. The tall sorts are specially adapted for covering unsightly fences or trailing over rocks and rough ground. Hardy annual.

### DWARF VARIETIES

Of dwarf, compact growth; bloom in two months from sowing and most profusely the whole season. Height 1 foot.

	Pkt.	Oz.	¼ lb.
<b>Aurora.</b> Light reddish-orange, veined with carmine .....	.05	.15	.40
<b>Beauty.</b> Scarlet and yellow .....	.05	.15	.40
<b>Chameleon.</b> Mottled crimson, bronze and yellow .....	.05	.15	.40
<b>Crimson</b> .....	.05	.15	.40
<b>Crystal Palace Gem.</b> Sulphur-yellow spotted with carmine .....	.05	.15	.40
<b>Empress of India.</b> A splendid variety, with dark leaves and crimson flowers .....	.05	.15	.40
<b>Golden Cloth.</b> Golden yellow leaves scarlet flowers .....	.05	.15	.40
<b>Golden King.</b> Golden yellow .....	.05	.15	.40
<b>Golden Midnight.</b> The foliage is a light yellowish-green, while the flowers are of such a dark maroon as to seem almost black .....	.10	.20	.50
<b>King of Tom Thumbs.</b> Dark foliage, scarlet flowers .....	.05	.15	.40

	Pkt.	Oz.	¼ lb.
<b>King Theodore.</b> Intensely dark crimson or chocolate .....	.05	.15	.40
<b>Lady Bird.</b> Yellow and red spotted. ....	.05	.15	.40
<b>Pearl.</b> Creamy white .....	.05	.15	.40
<b>Prince Henry.</b> Cream, marbled scarlet. ....	.05	.15	.40
<b>Queen of Tom Thumbs.</b> Variegated foliage, bright crimson flowers....	.05	.15	.40
<b>Rose.</b> Rose Pink .....	.05	.15	.40
<b>Ruby King.</b> Crimson rose .....	.05	.15	.40
<b>Vesuvius.</b> Salmon pink, dark foliage..	.05	.15	.40
<b>Scarlet.</b> Brilliant scarlet flowers.....	.05	.15	.40
<b>Extra Choice Mixture</b> ..... 1 lb. \$1.25	.05	.15	.40
<b>Fine Mixed</b> ..... 1 lb. \$1.00	.10	.30	
<b>Collection of Six Varieties.</b> Our selection. ....	.20c.		

### TALL OR CLIMBING VARIETIES

Height, 10 to 12 feet.

	Pkt.	Oz.	¼ lb.
<b>Coccineum.</b> Scarlet.....	.05	.15	.40
<b>Dark Crimson</b> .....	.05	.15	.40
<b>Dunnett's Orange.</b> Deep Orange.....	.05	.15	.40
<b>Edward Otto.</b> Brownish lilac.....	.05	.15	.40
<b>Hemisphaericum.</b> Orange-salmon and scarlet .....	.05	.15	.40
<b>King Theodore.</b> Dark red, extra fine..	.05	.15	.40
<b>Pearl.</b> Creamy white.....	.05	.15	.40
<b>Prince Henry.</b> Light yellow, marbled with scarlet.....	.05	.15	.40
<b>Scheuerianum.</b> Straw-color, brown striped .....	.05	.15	.40
<b>Scheuerianum Coccineum.</b> Scarlet striped .....	.05	.15	.40
<b>Schillingi.</b> Bright yellow, blotched with maroon.....	.05	.15	.40
<b>Vesuvius.</b> Brilliant salmon-rose, dark-leaved .....	.05	.15	.40
<b>Yellow</b> .....	.05	.15	.40
<b>Extra Choice Mixture</b> ..... 1 lb. \$1.25	.05	.15	.40
<b>Fine Mixed</b> ..... 1 lb. \$1.00	.10	.30	
<b>Madam Gunther Hybrids.</b> Large flowers, great variety of brilliant colors. ....	.05	.15	.50
<b>Collection of six varieties,</b> our selection .....	.20		

**NEMESIA STRIMOSA SULTONI.** Free-blooming plants for pot culture and open border. Sow the seed in March under glass or sow out of doors in May. Hardy annual. 1 foot. Blue, lilac, and white flowers..... .10

**NICOTIANA.** Showy plants with slender, tall, flowering stems and fragrant flowers; half-hardy annuals. About 3 feet high.  
**Affinis.** White and very fragrant..... .05  
**Mixed Hybrids.** All colors..... .10

**NIEREMBERGIA GRACILIS.** Tender perennial. Suitable for house culture, or may be treated as a tender annual. Fine for baskets, vases, etc. Light blue, saucer-shaped flowers.... .10

**OXALIS.** Beautiful small plants suitable for the greenhouse, rock work or outdoor culture, flowering the first year; half-hardy perennials; 9 inches.  
**Pink and Yellow Mixed**..... .10

**PASSION FLOWER (Passiflora.)** A half-hardy perennial climber, bearing attractive blue fringed flowers. Height 10 to 15 feet..... .10

**PRINCE'S FEATHER.** Tall spikes of red flowers 3 feet..... .05

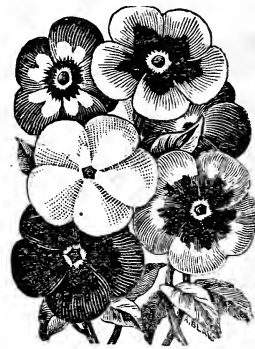


# PANSY

Pansies thrive best in a moist, shady location and in rich, loamy soil. Seed should be sown in the autumn for early spring blossoms. If sown in the spring, get it in as early as possible, so as to secure flowers during the early rains. Seed sown in a cool place in May or June, and well watered until up, will produce fall-flowering plants. To have good flowers, the plants must be vigorous and make a rapid growth; use manure liberally.

Per Pkt.

Mastodon Miracle Mixed (new.) A super mixture containing the finest types of pansies including ruffled flowers, and many new sunburst pansies, smoky rims, henna shades, with fine long stems. ....	.50
Masterpiece. These pansies have a most beautiful combination of rich, velvety coloring and attractive wavy or ruffled petals. 1/8 oz. \$1.00	.15
Black Mastodon. Velvety black, .....	.20
Bronze Mastodon. ....	.20
Purple Mastodon .....	.20
White Mastodon. Black center.....	.20
Grand Duke Michael. Pure White.....	.20
Madame Perret. Red and wine shades.....	.20
Meteor. Terra cotta.....	.15
Parisian Yellow. Pure yellow.....	.20
Prince Henry. Dark Blue.....	.15
Steel's Adonis Light blue.....	.15
Greenhouse Special Mixed. Long stems. .... 1/8 oz. \$2.00	.25
Allen's Private Stock Mixed..... 1/8 oz. \$1.25	.20
"A., S. & L." Special mixed..... 1/8 oz. 75c.	.15
Fine Mixed..... 1/8 oz. 30c.	.10



PHLOX DRUMMONDI

Per Pkt.

**Phlox Drummondii. Grandiflora.** One of the most satisfactory bedding plants. A hardy annual growing about one foot high, and bearing beautiful and brilliantly colored flowers.

Isabellina. Yellow .....	.10
Alba. Pure White.....	.05
Alba Occulata. Dark Purple, white eye....	.05
Brilliant. Bright scarlet.....	.05
Finest Mixed. Best large-flowered varieties ..... 1/4 oz. 50c	.05

**POPPY (Papaver.)** The seed should be sown as early in the spring as possible where they are to remain, as they do not stand transplanting. Thin 6 to 10 inches apart. If left thick the plants will be weak and the blossoms inferior. The Shirley is beautiful for cutting.

Admiral. White, with broad, brilliant scarlet band, very effective..... 1/4 oz. 25c.,	.10
Shirley. The most beautiful type of poppies, having soft foliage and an immense variety of single blossoms in white, pink, lavender, purple, shades of red and scarlet; the best and most showy of all single poppies....oz. 25c.	.05
Danebrog. Large flowers of brilliant scarlet, with a silver spot on each of the petals. .... 1/4 oz. 20c.,	.05
Tulip. Dazzling scarlet tulip-shaped flowers ..... 1/4 oz. 20c.	.05

## DOUBLE ANNUAL POPPIES

Paeony Flowered. Large, showy flowers with broad petals; colors range from white to pink, carmine, scarlet, crimson and maroon. .... 1/2 oz. 15c.,	.05
Carnation, Double Mixed. Large, showy, double flowers of various colors. 1/2 oz. 15c.	.05
Carnation, Double. Scarlet..... 1/2 oz. 20c.	.05
Carnation, Double. Shell Pink.... 1/2 oz. 20c.	.05
Snowdrop. Pure white, fringed. 1/2 oz. 20c.	.05



FRINGED PETUNIA



PRIMULA

**PRIMULA** (Chinese \*Primrose.) A beautiful flowering plant for winter decoration in the home or conservatory.

**PETUNIA.** Free-flowering and easily cultivated; well-known favorites. They thrive in almost any soil and produce a brilliant array of color throughout the season. The seed will germinate with little difficulty if a reasonable amount of care is used in sowing. Be sure that the soil is well pulverized; then sow the seeds on the surface, pressing them into the soil by using a small smooth board, and cover very lightly with fine soil.

Per Pkt.

Large-Flowered Single, Fringed. Choice mixed .....\$0.25

Large-Flowered Double, Fringed. Choice mixed ..... .25

Giants of California. Flowers very large, and deeply fringed. A variety of colors..... .25

Ruffled Giants. Flowers of enormous size, with ruffled edges and brilliant colors..... .25

Rosy Morn. A bright rosy pink with white throat ..... ¼ oz. \$1.25 .15

Howard's Star. A beautiful free-flowering strain, color a rich, dark crimson, with five-pointed white star..... .15

Pure White..... ¼ oz. 60c. .10

Choice Mixed. Striped and blotched. .... ⅓ oz. 25c., .10

Fine Mixed. All Colors..... ¼ oz. 25c. .05

**PORTULACA.** The plants are of low growth and spreading habit. The flowers of the double varieties are like small roses, and make a particularly brilliant show. Sow seed in the open ground as soon as the weather is warm, or in a hotbed earlier. The plants can be transplanted when in full flower. Annual.

Finest Double Mixed..... ⅓ oz. 50c. .10

Finest Single Mixed..... ¼ oz. 20c., .05

Single Rose..... .05

Single Scarlet..... .05

Single White..... .05

Single Yellow..... .05

Sow the seed in well-drained shallow pans, from April to the last of July, to insure flowering the following winter.

Per Pkt.

Giant Fringed. Pink..... .50

Giant Fringed. White..... .50

Giant Fringed. Crimson..... .50

Giant Fringed. Mixed Colors..... .50

**RICINUS** (Castor Oil Bean.) A half-hardy annual, growing from 6 to 15 feet high and bearing large, green, deep purple and brown leaves, and bright orange and scarlet flowers. Of the easiest culture. Fine for lawns, massing or center plants for beds.

Borboniensis. Green foliage; 15 feet..Oz. 20c. .05

Cambodgensis. Dark maroon; stems black; 6 to 8 feet .....Oz. 20c. .05

Gibsoni. Deep red foliage; 5 feet.....Oz. 20c. .05

Sanguineus. Red stems and seeds; 8 feet. ....Oz. 20c., .05

Zanzibarensis Mixed. A very large-leaved variety, light and dark green and bronze foliage; 10 to 12 feet.....Oz. 20c. .05

Mixed Varieties .....Oz. 15. .05

**RHODANTHE.** Fine for garden. Comes into flower early and continues a long time. One of the best everlasting for bouquets.

Fine Single Mixed..... .05

**SCHIZANTHUS.** Hardy annuals, growing 1½ to 2 feet high, and covered with bright, showy, butterfly-like blossoms. Mixed. Large flowering ..... .10

**SENSITIVE PLANT.** Curious and interesting annuals, with pinkish-white flowers; the leaves close and droop when touched or shaken; 1½ feet..... .05

## SWEET PEAS

The popularity of Sweet Peas is demonstrated by the many and beautiful varieties that are introduced each year. Our list includes all the best up-to-date varieties.

Sow as early as the ground can be prepared in a deep, rich moist soil, in drills 6 inches deep, covering about 2 inches deep. As the vines grow, fill up the trenches with soil and thin out to about 4 or 5 inches apart. A popular plan at the present time is to sow in double rows with a trellis or a row of brush between.

### GIANT SPENCER VARIETIES

The Spencers have very large waved flowers which are produced abundantly on long, strong stems, and are most desirable for cutting.

**Alexander Malcolm.** Very bright scarlet cerise. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 80c.

**Apple Blossom Spencer.** Standard bright rose, wings primrose with a flush of rose. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 70c.

**Asta Ohn.** The best lavender, very large and wavy. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 80c.

**Aurora Spencer.** White, with stripes and flakes of orange-pink. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 65c.

**BARBARA.** Bright salmon orange with dark stems. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 80c.

**Constance Hinton.** The largest white Spencer. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 70c.

**Countess Spencer.** The original giant-flowered Spencer, Clear Pink. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 70c.

**Dainty Spencer.** White with rose-pink edges. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 80c.

**Dobbie's Cream.** The finest primrose-yellow. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 90c.

**Early Torch.** An orange scarlet that will not burn in sunlight. One of the best. Pkt. 10c., oz. 60c.,  $\frac{1}{4}$  lb. \$2.00.

**Early Nightingale.** A beautiful mauve lavender when young, but after standing in water a short time the flowers become a beautiful blue lavender. The vines are vigorous and flower profusely, usually four to each stem. Pkt. 10c., oz. 60c.,  $\frac{1}{4}$  lb. \$2.00

**Elfrida Pearson.** Light pink, shaded lighter. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 80c.

**Florence Nightingale.** Large, pure lavender. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 80c.

**Geo. Herbert.** A large Spencer, rose-crimson. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 70c.

**Hebe.** Giant rosey pink. Pkt. 5c., oz. 60c.,  $\frac{1}{4}$  lb. \$2.00.

**Hercules.** A giant flower of finest form. Color bright rose pink. Flowers are beautifully waved. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 80c.

**Illuminator.** Salmon orange overlaid with bright cerise. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c.

**King Edward.** The best pure red Spencer, very large. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 70c.

**King White.** The best white. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 85c.

**Margaret Atlee.** Best deep cream-pink. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 80c.

**Margaret Madison.** Best pale lavender. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 80c.

**Marie Corelli.** Rose-Carmine. Pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 70c.

**Mrs. Hugh Dickson.** Buff apricot and rose. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 70c.

**Mrs. Tom Jones.** Deep amethyst blue, very fine form. Pkt. 15c., oz. 60c.,  $\frac{1}{4}$  lb. \$2.00.



EARLY NIGHTINGALE

**New Miriam Beaver.** Best light cream-pink. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. \$1.00.

**Pink Pearl.** Clear pearly pink. Pkt. 15c., oz. 60c.,  $\frac{1}{4}$  lb. \$2.00.

**Royal Scot.** Brilliant scarlet. Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00.

**Splendour.** Rich red maroon. Pkt. 15c., oz. 60c.,  $\frac{1}{4}$  lb. \$2.00.

**Yarrowa, Early Flowering Spencer.** Color bright rose-pink with lighter base. Pkt. 15c., oz. 75c.,  $\frac{1}{4}$  lb. \$2.50.

**Superb Spencer Mixed.** A splendid mixture of true Spencer types only. Pkt. 5c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

# SWEET PEAS — Continued

## Grandiflora— (Large Flowered)

These have large handsome flowers, but the petals are not waved like the Spencer varieties.

Price of any of the following varieties. Pkt. 5c., oz. 10c., ¼ lb. 30c., ½ lb. 55c., lb. \$1.00.

One quarter of a pound of seed will sow fifty feet.

- Black Knight.** Deep maroon.  
**Blanche Ferry.** Pink and white.  
**Dainty.** White with pink edge.  
**Dorothy Eckford.** Fine pure white, large.  
**Hon. Mrs. E. Kenyon.** Primrose-yellow.  
**Janet Scott.** Deep bright pink.  
**King Edward VII.** Crimson scarlet, very large.  
**Lady Grisel Hamilton.** Lavender.  
**Lord Nelson.** Deep navy blue.  
**Miss Wilmott.** Orange pink; very large flowering.  
**Prima Donna.** Soft clear pink.  
**Queen Alexandra.** Brilliant scarlet.  
 Six 5c. pkts. Sweet Peas for 20c.; seven 10c. pkts. for 50c. postpaid.

**“A. S. & L.” SPECIAL MIXTURE.** This mixture is made up by ourselves from the best named varieties and cannot fail to give satisfaction. Pkt. 5c., oz. 10c., ¼ lb. 30c., ½ lb. 55c., lb. \$1.00.

## Mixed Sweet Peas In Separate Shades.

- Lavender and Blue Shades.** Pink Shades.  
**Purple and Maroon Shades.** Red Shades.  
**White and Primrose Shades.**

Each of the above, lb. \$1.00., ¼ lb. 30c., oz. 10c.

Collection, one oz., each of the five separate shades, 40c.



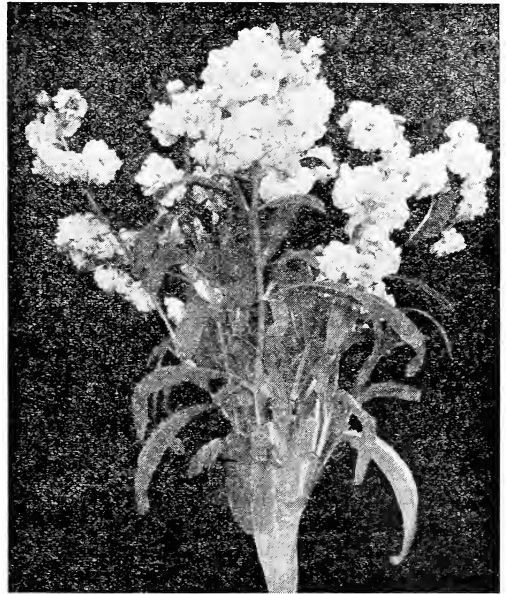
SALPIGLOSSIS

**SALPIGLOSSIS.** Very showy bedding or border plants with richly-colored flowers, which are purple, scarlet, crimson, yellow, buff, blue or almost black, beautifully marbled and pencilled. Hardy annual, 2 feet.

	Per Pkt.
Grandiflora. Special mixture.....	½ oz. 50c. .10
Emperor. Finest Mixed. Very large flowers. .....	½ oz. 50c. .10
Smilax. A graceful climber with small, dark green foliage.....	.10

### FREE DELIVERY

To any address in the United States on all Flower Seeds by the packet, ounce, half-pound, and pound.



TEN WEEK STOCKS

**STOCKS (Gilliflower.)** Hardy annuals, 2 feet high, with spikes densely covered with beautiful double flowers of almost every desirable tint. Seeds may be sown in the open ground, hotbed or cold frame, but transplanting should be done when the plants are just out of the seed leaf. Make the soil deep and rich, and set the plants a foot apart.

## LARGE-FLOWERING TEN WEEKS

The best variety for bedding out for summer blooming, producing a large percentage of double flowers.

	Per Pkt.	Per Pkt.
Blood Red....	\$0.10	Light Blue.....\$0.10
Brilliant Rose .10		Pure White......10
Canary Yellow .10		Finest Mixed, ½ oz. 60c. .10

## LARGE-FLOWERING BEAUTY STOCKS

A fine strain for garden or greenhouse.

Canary Yellow, (Monte Carlo).....	.10
Flesh Pink, (Beauty of Nice).....	.10
Light Blue, (Cote d' Azure).....	.10
Rosy Lilac, (Queen Alexandra).....	.10
White, (Mont Blanc).....	.10
Choice Mixed.....	½ oz. 75c. .10

Dresden Perpetual. (Cut-and-Come-Again.)	
White (Princess Alice.) \$0.10	Blood Red \$0.10
Canary Yellow .....10	Light Blue .10
Choice Mixture.....	½ oz. 75c. .10

**SWEET SULTAN.** Large, sweet-scented flowers on long stems, fine for cutting. 2 feet.

White .....	.10
Dark Blue .....	.10
Light Blue .....	.10
Suaveolens. Large, bright yellow flowers...	.10
Finest Mixed .....	oz. 50c. .10

Per Pkt.

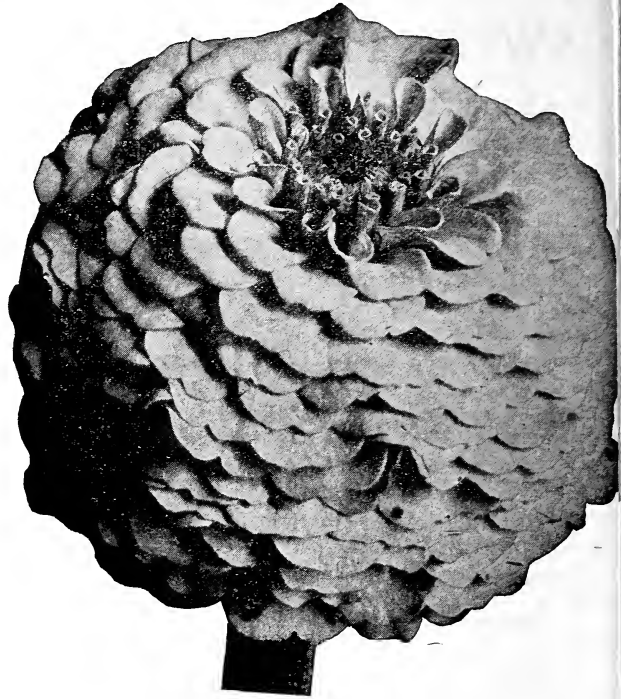
<b>SALVIA.</b> Sow seed early indoors or in a frame in time to get good plants to set out of doors the latter part of May. Bloom from July to frost. Set plants 1 foot apart. Half-hardy annual	
<b>Bonfire.</b> Very compact, with long, erect spikes of brilliant scarlet flowers. The finest Salvia for bedding. 2 feet.....	1/8 oz. 50c. .10
<b>Splendens.</b> Bright scarlet flower-spikes; 2 1/2 feet .....	1/8 oz. 50c. .10
<b>Zurich.</b> The earliest blooming variety; the plants are dwarf and compact, producing brilliant scarlet flowers. 1 foot.....	1/8 oz. 75c. .15
<b>Patens.</b> Bright blue, extra large flowers. 1 1/2 to 2 feet.....	.10

<b>SUNFLOWER (Helianthus.)</b> Hardy annuals, growing from 3 to 6 feet high. Of the easiest culture and suitable for a stately row or background. Plant in light or sandy soil.	
<b>Californicus fl. pl.</b> Splendid variety, with magnificent heads of double orange flowers. 5 feet.....	Oz. 20c. .05
<b>Miniature.</b> Small, single rich yellow flowers, with black center. 4 feet.....	Oz. 20c. .05
<b>Sutton's Red.</b> Single large red flowers, shading to yellow at tips of petals. 6 ft. Oz. 25c .....	.10
<b>Mammoth Russian.</b> Large yellow. Oz. 5c.	

<b>TASSEL FLOWER.</b> An annual of easy culture, with tassel-shaped flowers, blooming profusely from July to October. Bright scarlet. 18 inches. ....	.05
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<b>THUNBERGIA.</b> (Black Eyed Susan.) Beautiful annual trailing plants for hanging basket and vases. Mixed colors. 4 feet. 1/4 oz. 20c....	.10
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<b>VERBENA.</b> A well-known annual for beds, and borders. Seed sown in March will bloom in June and continue until frost. Plants raised from seed are more vigorous and produce more flowers than those grown from cuttings.	
<b>Mammoth White.....</b>	1/8 oz. 25c. .10
<b>Mammoth Pink.....</b>	1/8 oz. 25c. .10
<b>Mammoth Scarlet.....</b>	1/8 oz. 25c. .10
<b>Mammoth Purple.....</b>	1/8 oz. 25c. .10
<b>"A., S. &amp; L." Mammoth Mixed</b>	1/4 oz. 50c. .10
<b>Fine Mixed.....</b>	1/8 oz. 15c. .05
<b>Lemon Scented.</b> Lemon scented foliage....	.10



GIANT FLOWERING DOUBLE ZINNIA

**ZINNIA.** A hardy annual, growing from 1 to 2 feet high. One of the most brilliant and showy plants. They flower early in the summer and keep on blooming until frost. Sow in boxes early and transplant.

Per Pkt.

GIANT FLOWERING DOUBLE	
Apricot Buff	Purple
Crimson	Scarlet
Flesh-Color	White
Golden-Yellow	Giant Mixed. All colors
Pkt. 10c., 1/4 oz. 40c.	
<b>CURLED AND CRESTED.</b> A beautiful type of flowers, with curled and twisted petals.	1/4 oz., 30c. .10
<b>DOUBLE DAHLIA-FLOWERED.</b>	(See Specialties, page 3.)
Tall, Double Mixed.....	.05
<b>VIRGINIAN STOCK.</b> Sweet-scented hardy annual Mixed .....	.05
<b>WALLFLOWER.</b> An old favorite garden flower. The large, massive spikes of the Wallflower are very conspicuous in beds and borders and are very useful in making bouquets. Height about 1 1/2 feet.	
Single Mixed.....	.05
Double Mixed .....	.10
<b>WILD CUCUMBER (Echinocystis Lobata.)</b> This is a useful climber where a rapid and vigorous growth of vine is desired. The vine is thickly covered with white, fragrant flowers. Hardy annual.....	Oz. 25c., 1/2 oz. 15c. .05
<b>ZE A JAPONICA (Striped Japanese Maize.)</b>	Very ornamental, variegated foliage..... .05

## WILD GARDEN FLOWER SEEDS

A mixture of easily grown varieties of Flower Seeds for Sowing broadcast, require very little care and produce a continual display of bloom throughout the season, and furnish an abundance of flowers for cutting. They are useful for sowing along fences and on unsightly bare spots of ground.

Pkt. 5c., oz. 15c., 1/4 lb. 50c.

# PERENNIAL FLOWER SEEDS

Per Pkt.

**ABUTILON** (Flowering Maple.) Free-flowering shrubs of strong growth and easy cultivation; drooping, bell-shaped flowers of various colors. \$0.10

**ACONITUM** (Monk's Hood.) Hardy perennial, with helmet-shaped flowers; growing in any good garden soil. Thrives best when planted among shrubbery or in shady situations. 4 feet.  
Nappellus. Large blue..... .15  
Nappellus White. Large white..... .15

**ALYSSUM**. Saxatile Compactum (Basket of Gold.) Golden yellow flowers... ¼ oz. 50c. .10

**AMPELOPSIS VEITCHII** (Boston Ivy.) The best hardy vine for covering brick or stone buildings, etc.; foliage turning to scarlet in the autumn. ½ oz. 25c..... .10



BELLIS PERENNIS

## BELLIS PERENNIS

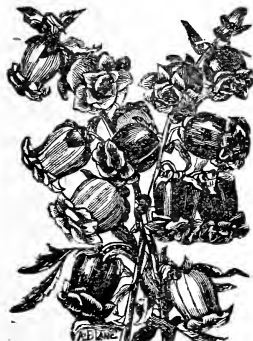
(Double Daisy.) Sow the seed very early. The flowers are abundant in early spring and may be continued later by the use of water. Set about six inches apart in a cool border.

Longfellow. Large, rose-colored flowers. ½ oz. 50c. pkt. 10c.

Snowball. Large, double pure white, ½ oz. 50c., pkt. 10c.

Finest Mixed. ½ oz. 40c., pkt. 10c.

**SHASTA DAISY**. Fine, hardy perennial, producing large flowers which are very desirable for cutting. Height 2 feet.  
Alaska. Pure white..... ½ oz. 35c. .10



CANTERBURY BELLS

## CANTERBURY BELLS.

Large bell-shaped flowers which are very effective. Succeeds best in light, rich soil. Transplant two feet apart.  
Height 2 to 4 feet.

Single Blue, ½ oz. 25c., .10

Single Rose, ½ oz. 25c., .10

Single White, ½ oz. 25c., .10

Single, Fine Mixed.  
..... ½ oz. 20c., .05

Double, Fine Mixed.  
..... ½ oz. 25c., .10

**COLUMBINE**. (Aquilegia.) Well-known hardy perennials, bearing in great profusion, through May and June, exquisite flowers greatly varied in coloring; of easy culture, thriving best in dry soil and growing well in partial shade. 1 to 3 feet.  
Single, Mixed Colors..... .10  
Double, Mixed Colors..... .10

Per Pkt.

**DELPHINIUM** (Hardy Larkspur.)  
Formosum. Deep blue, 3 feet..... ¼ oz. 40c., .10  
Double Hybrids, Finest Mixed. 3 feet..  
..... ½ oz. 40c. .10

**DIANTHUS** (Hardy Garden Pinks.)  
Double Clove. A hardy perennial pink, very fragrant, choice colors..... ½ oz. 30c. .10  
Plumarius (Grass Pink, or Pheasant-eye Pink.) A single hardy Pink with fringed-edged, fragrant flowers, mixed colors  
..... ½ oz. 30c. .10

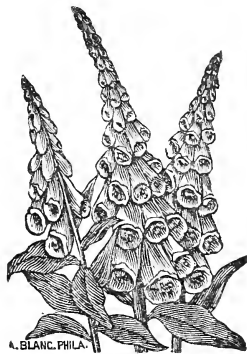


FORGET-ME-NOT

**FORGET-ME-NOT**. (Myosotis.) Small star-like flowers borne in clusters. The plant is of easy culture and blooms the first year if seed is sown early. 4 to 9 inches.

Indigo Blue. Large, dark blue flowers.  
..... ½ oz. 25c. .10

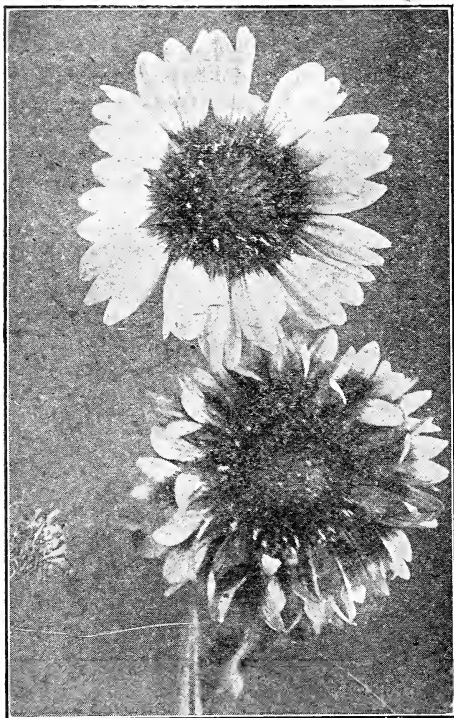
Victoria. Large flowers, bright azure blue; dwarf habit; fine for borders..... ½ oz. 35c. .10  
Fine Mixed..... ½ oz. 25c. .10



FOXGLOVE

**FOXGLOVE** (Digitalis.) The Foxgloves are highly ornamental plants. They are fine for the mixed border or planted singly in half-shady places near a walk or drive. The spikes of flowers are often two feet in length, containing scores of the pretty-spotted, thimble-shaped flowers. Perfectly hardy. Sow seed in spring in the garden and transplant as desired.  
Mixed varieties ..... ¼ oz. 20c. .10

# PERENNIAL FLOWER SEEDS—Continued



GAILLARDIA

- FRENCH HONEYSUCKLE** (*Hedysarum*.) Per Pkt.  
Very handsome, free-flowering plants; well adapted for borders or rock-work. 4 feet.  
Scarlet .....\$0.05  
Album. White ..... .05

- GAILLARDIA.** Showy and hardy perennials, Flowering from July to October, 2 ft.  
*Grandiflora Hybrida.* Finest Mixed.  $\frac{1}{4}$  oz. 30c. .10

- GYPSOPHILIA.** (*Baby's Breath*.) Free-flowering, plants, succeeding in any garden soil. Fine for bouquets.  
*Paniculata.* White flowers. ....  $\frac{1}{4}$  oz. 25c. .10  
*Paniculata.* Double white ..... .20

- HELIANTHUS** (*Hardy Sunflower*.)  
*Maximiliana.* Golden yellow flowers; continues in bloom until late in Fall. 6 ft. .... .10

- HOLLYHOCK.** Plants of upright, stately growth, 5 to 8 feet high. The double varieties are the most desirable. Very effective when planted in long rows with a background of shrubbery.

- Chater's Double Crimson* .....  $\frac{1}{8}$  oz. 30c. .10  
*Chater's Double Pink* .....  $\frac{1}{8}$  oz. 30c. .10  
*Chater's Double Yellow* .....  $\frac{1}{8}$  oz. 30c. .10  
*Chater's Double White* .....  $\frac{1}{8}$  oz. 30c. .10  
*Chater's Double Purple* .....  $\frac{1}{8}$  oz. 30c. .10  
*Chater's Double Salmon* .....  $\frac{1}{8}$  oz. 30c. .10  
*Chater's Double Scarlet* .....  $\frac{1}{8}$  oz. 30c. .10  
*Chater's Double Mixed* .....  $\frac{1}{8}$  oz. 30c. .10  
Finest Mixed. Single .....  $\frac{1}{4}$  oz. 25c. .10  
*Allegheny.* A semi-double, fringed variety.  
Finest Mixed .....  $\frac{1}{4}$  oz. 25c. .10

- HONESTY** (*Satin Flower*.) The flat, silvery seed pods are used for winter decoration. Very handsome, free-flowering. Hardy biennial. 2 feet ..... .10

- IBERIS** (*Perennial Candytuft*.)  
*Gibraltarica Hybrida.* White shading to lilac  
*Sempervirens.* Pure white; excellent for cemeteries, rockeries, etc.; 1 foot. .... .15

- Kudzu Vine or Jack-and-the-Bean Stalk.** A fast growing hardy perennial vine, growing 8 to 10 feet the first year from seed. The foliage is large; it bears clusters of pea-shaped flowers. ....  $\frac{1}{4}$  oz. 25c. .10

- LAVENDULA vera.** (*Sweet Lavender*) grown chiefly for lasting fragrance of its flowers. ....  $\frac{1}{4}$  oz. 15c. .10

- LINUM** (*Flax*)  
Perenne. Bright blue flowers, hardy. 2 ft. .10

- LUPINUS** (*Lupin*.) Beautiful hardy plants for borders, beds and for cutting, 3 ft.  
*Moerheimi.* Rose and white. .... .15  
Finest Mixed ..... .10

- LYCHNIS** (*Rose Campion*.) Hardy plants of easy culture, bearing clusters of brilliant scarlet flowers. .... .05

- PHLOX** (*Decussata*.) Hardy plants producing large heads of showy flowers, 3 ft.  
Finest Mixed ..... .10

- POPPY** (*Papaver*.)  
*Oriente.* One of the most striking and showy of the garden perennials; flowers large brilliant crimson with a black blotch on each petal. ....  $\frac{1}{8}$  oz. 25c. .10  
*Iceland.* Brilliant colors. Blooms first year from seed. ....  $\frac{1}{8}$  oz. 15c. .05

- POLYANTHUS** (*Primula Elatior*.) Early spring free-flowering plants, fine for either pot or outdoor culture; 9 inches.  
Fine Mixed ..... .10

- RUDBECKIA** (*Cone-Flower*.) Robust-growing plants, very popular for border decoration.  
*Newmanii.* golden yellow with black center. .10



SWEET WILLIAM

- SWEET WILLIAM.** An old-fashioned plant, producing large heads of beautifully colored, sweet-scented flowers. It is hardy and easily grown. 1  $\frac{1}{2}$  feet.

- Holborn Glory.* Large flowers of the most beautiful shades. ....  $\frac{1}{4}$  oz. 25c. .10  
*Auricula-Flowered.* Single varieties mixed .....  $\frac{1}{4}$  oz. 25c. .10  
*Pink Beauty.* Rose pink. ....  $\frac{1}{4}$  oz. 25c. .10  
*Double Varieties.* Mixed. ....  $\frac{1}{4}$  oz. 30c. .10  
Finest Single Mixed .....  $\frac{1}{4}$  oz. 30c. .10

- SWEET ROCKET.** Very fragrant, growing freely in ordinary soils, 2 ft.  
Mixed. Purple and white. .... .05

- VIOLET.** Fragrant, spring-blooming plants.  
*The Czar.* Large dark blue. .... .10

# HIGH GRADE GLADIOLUS BULBS

Attractive summer-flowering bulbs. They will grow in any good garden soil. Plant 6 inches apart and 4 to 6 inches deep.

**America.** The color is a beautiful flesh pink; very large flowers. 7c. each, 65c. per doz., \$3.50 per 100 postpaid.

**Augusta.** Pale white with blue anthers. 7c. each, 70c. per doz., \$4.00 per 100 prepaid.

**Baron Hulot.** Rich, deep, indigo blue. 12c. each, \$1.25 per doz., \$10.00 per 100 postpaid.

**Blue Jay.** Blue lavender, splashed with white. 50c. each, \$5.00 per doz. postpaid.

**Chicago White.** White, lavender marking in throat. 10c. each, \$1.00 per dozen, \$6.50 per 100 postpaid.

**Empress of India.** Deep velvety maroon. 10c. each, \$1.00 per doz., \$6.50 per 100 postpaid.

**Evelyn Kirtland.** Dark rosy pink shading to shell pink on edges, brilliant scarlet blotch. 15c. each, \$1.75 per doz., \$12.00 per 100 postpaid.

**Gretchen Zang.** Soft shade of pink, blending into scarlet, blossoms large. 15c. each, \$1.50 per doz., \$10.00 per 100 postpaid.

**Halley.** Delicate salmon pink, very early. 10c. each, \$1.00 per doz., \$6.00 per 100 postpaid.

**Herada.** Blooms of large size, color is pure mauve, on tall straight spikes. 15c. each, \$1.50 per doz., \$10.00 per 100 postpaid.

**Le Marechal Foch.** Beautiful shade of light pink, very large flowers, early. 25c. each, \$2.50 per doz., \$18.00 per 100 postpaid.

**Liebesfeuer.** Brilliant red extra large flower. 20c. each, \$2.00 per doz. postpaid.

**Mrs. W. E. Fryer.** Orange scarlet. Exceptionally fine. 15c. each, \$1.50 per doz., \$10.00 per 100 postpaid.

**Mrs. Frank Pendleton, Jr.** Bright salmon-pink, very large flowers. 10c. each, \$1.00 per doz. \$7.50 per 100 postpaid.

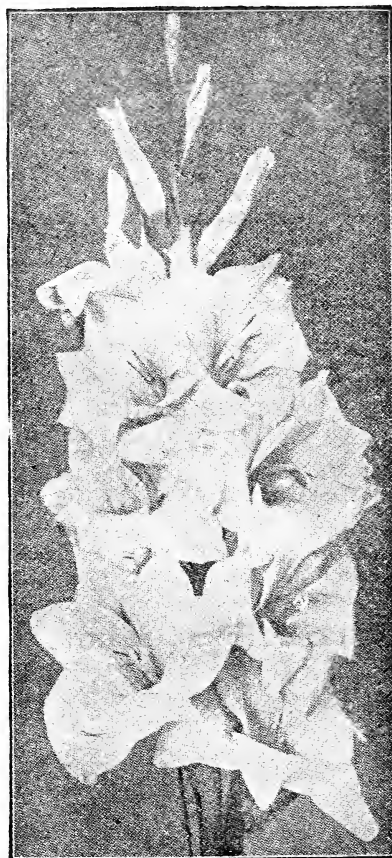
**Mrs. Watt.** Deep brilliant wine color. 15c. each, \$1.50 per doz., \$9.00 per 100 postpaid.

**Mrs. Dr. Norton.** White, edges suffused soft LaFrance pink, blotch of sulphur-yellow. 30c. each, \$3.00 per doz. postpaid.

**Niagara.** Large creamy white flowers, splashed with garmine. 15c. each, \$1.00 per doz., \$7.00 per 100 postpaid.

**Orange Glory.** Very rich orange, ruffled. 50c. each, \$4.00 per doz. postpaid.

**Prince of Wales.** Light salmon with orange shade, very early. 15c. each, \$1.50 per doz., \$10.00 per 100 postpaid.



**Schwaben.** Clear sulphur-yellow with small brown spot in the throat. 15c. each, \$1.50 per doz., \$10.00 per 100 postpaid.

**Peace.** Flowers large and of fine form; color, pure white, feathered with pale lilac. 10c. each, \$1.00 per doz., \$7.50 per 100 postpaid.

**War.** A magnificent variety of rich ox-blood red, shaded with darkest crimson. 15c. each, \$1.50 per doz., \$10.00 per 100 postpaid.

**1910 Rose.** Tall, stately spike, six to eight flowers open at once. Color, a clear rose-pink. 15c. each, \$1.50 per doz., \$9.00 per 100 postpaid.

**Mixed Primulinus Hybrids.** XXXX strain. 15c. each, \$1.25 per doz., \$10.00 per 100 postpaid.

**Superfine Mixture.** 5c. each, 50c. per doz., \$3.00 per 100 postpaid.

**Dahlias.** Popular summer and autumn flowering plants. Our bulbs are grown by the Elmwood Dahlia Farm, and are strong grown and healthy. The varieties we offer include the best of the standard kinds as well as late introductions. Bulbs ready for delivery May 20th. 20c. each, \$2.00 per doz.: by Parcel Post, prepaid, \$2.20 per doz.

## PLANT DEPARTMENT

**PLANTS BY EXPRESS.** We use great care in the packing of plants to be sent by express, but cannot be responsible for delays or conditions when received by the purchaser. No plants sent C. O. D. Shipped by express only, except where noted.

### Vegetable Plants

#### ASPARAGUS ROOTS

We offer strong two-year old roots of the following varieties—Mammoth White, Palmetto and Conover's Colossal

25 roots, by express, at purchaser's expense..	\$0.45
25 " by mail.....	.55
50 " by express, at purchaser's expense..	.65
50 " by mail.....	.90
100 " by express, at purchaser's expense..	1.50
100 " by mail.....	1.75
1000 " by freight or express, at purchaser's expense .....	10.00

#### CABBAGE PLANTS

	April and Doz.	May delivery 100	1000
Early Jersey Wakefield.....	\$0.15	\$1.00	\$8.00
Copenhagen Market.....	.15	1.00	8.00
	June and July delivery		
Stone Mason Drumhead.....	\$0.50	\$3.50	
American Savoy.....	.50	3.50	
Danish Ball Head.....	.50	3.50	

#### CAULIFLOWER PLANTS

	May and June delivery	
Snowball .....	\$0.25	1.50
Danish Giant .....	.25	1.50

#### CELERY PLANTS

	100	1000
White Plume .....	\$1.00	\$7.50
Golden Self-Blanching .....	1.00	7.50
Boston Market .....	1.00	7.50

#### LETTUCE

	Doz.	100
Boston Curled .....	\$0.20	\$1.00
Black-seeded Tennisball .....	.20	1.00

#### PEPPER

Large Bell .....	\$0.25	\$1.50
Squash .....	.25	1.50
Brussels Sprouts.....	.15	.75
Rhubarb Roots. Each, 15c....	1.50	10.00

#### TOMATO PLANTS

	Doz.
Box Grown.	
"John Baer" Earliana, Ponderosa,	
Early Detroit, Dwarf Champion,	
Sunrise, Abbott's Model, Dwarf	
Stone, Bonny Best Yellow Plum..	.50

### Flowering and Foliage Plants for Summer Bedding

#### Bedding plants shipped by express only

	Each	Doz.		Each	Doz.
Ageratum. Dwarf, blue.....	\$0.10	\$1.00	Geraniums. Assorted varieties, 3 in. Pots	\$0.20	\$2.00
Alyssum. White .....	.10	1.00	Geraniums. Assorted varieties, 4 in. Pots	.35	3.00
Calendula. Deep yellow .....	.15	1.50	Geraniums. Ivy-leaved sorts, 4 in. Pots..	.35	3.50
Cannas. Dwarf flowering.....	.20	2.00	Geraniums. Rose-scented, 4 in. Pots.....	.35	3.50
Canna robusta. Tall, dark foliage.....	.20	2.00	Heliotrope. Dark and light .....	.15	1.50
Centaurea candidissima.....	.10	1.00	Hollyhock, Double Assorted.....	.25	2.50
Centaurea gymnocarpa.....	.10	1.00	Lantanas. In variety.....	.20	2.00
Cobaea Scandens.....	.15	1.50	Lemon Verbena.....	.20	2.00
Coleus. Fine varieties. Per 100 \$7.00....	.08	.90	Lobelia. Dark blue.....	.20	2.00
Daisy (Bellis Perennis.) In Baskets.....		.50	Marigold. French and African.....	.15	1.50
Dracaena indivisa.....	.75		Petunia, Double. Assorted colors.....	.30	3.00
Forget-me-not. In Baskets.....		.50	Ricinus (Castor-oil Bean).....	.15	1.50
Feverfew. Double white .....	.15	1.50	Salvia Splendens. Best Scarlet.....	.15	1.50
Fuchsias. Various sorts.....	.35	3.50	Vinca, or Periwinkle. 5 in. Pots.....	.75	



## CHINESE CINNAMON VINES

(Dioscorea Batatas)

**CINNAMON VINES** are the most desirable, easiest grown climbers. They are perfectly hardy, thriving on all soils, in sun or shade. They will run thirty feet or more, and will quickly surround your windows and cover your porches, walks, etc., with a mass of vines covered with pretty, heart-shaped leaves and a profusion of delicate, sweet scented flowers, which perfume the air for a long distance. 10c. each, \$1.00 per doz., \$6.00 per 100 postpaid.

# POULTRY DEPARTMENT

## FEED THIS FOR EIGHT WEEKS Raise Every Chick You Hatch

A Ready Prepared Mash for baby chicks and all self-feeding young fowls. This remarkable feed—originated by Conkey and prepared through processes controlled and used exclusively by Conkey is a complete ration—containing all the elements needed for safely starting baby chicks, ducklings, goslings, poults, guineas, pheasants, etc.

This superior chick mash was the *first* commercial poultry feed containing buttermilk—that is why we call it—the only ORIGINAL buttermilk starting feed.



Conkey's did not "just happen"—it is a scientifically-balanced feed as clean and wholesome and as conscientiously-prepared as "infant food." Selected, plump grains, ground to proper fineness, are combined with other ingredients so as to make the feed readily digestible, palatable and nutritious. TASTE it, SMELL it, that's the way to judge a chick feed.

Conkey's carries buttermilk in just the right proportion as an aid in prevention of bowel troubles, White Diarrhea, "leg weakness," etc. The buttermilk is Semi-Solid buttermilk, blended

with the other ingredients by the ORIGINAL process in such a way as to preserve the appetizing, tonic, and other properties of the newly-churned product.

Lactic acid in buttermilk is described as an "Intestinal broom" which sweeps away unfriendly bacteria and disease germs in the delicate digestive tract. Buttermilk is also rich in one of the vitamins necessary to growing birds. It is a wonderful appetizer, aid to digestion and flesh builder.

### COMPLETE RATION FOR FIRST 8 WEEKS

Conkey's is all the chicks need the first eight weeks except greens, charcoal, grit, clean water and some fine scratch grains in the litter for exercise. Give grit and water from the start. During the second week add green stuff and in the fourth week finely cracked chick grains.

#### GUARANTEED ANALYSIS

Crude Protein, 12%; Crude Fibre, 4%; Crude Fat, 3%; Nitrogen Free Extract, 56%; Carbohydrates, 60%.

#### Ingredients

Semi-Solid Buttermilk, pinhead oatmeal, a special wheat middlings, whole corn meal, corn feed meal and granulated bone.



ORDER ONE POUND AND A HALF FOR EACH CHICK

#### Conkey's Roup Remedy

When Roup breaks out there's no time to experiment—start treatment at once—the disease is very contagious. Better still, always at the first sign of "roupy weather," place Conkey's Roup Remedy in fountains—it's a great preventive.

Packages, 25c., 50c., \$1.00, \$2.50; breeder size (5-lb. can) \$5.75. All postpaid.

#### Conkey's White Diarrhea Remedy

Once you have used this old reliable preparation, you will never be without it.

Packages, 25c., 50c., \$1.00, all postpaid; breeder size (1,200 Tablets) \$3.50, \$3.60 postpaid.

#### Conkey's Poultry Worm Remedy

For worms and so-called "Leg Weakness."

Packages, 25c., 50c., 30c., 55c. postpaid; breeder size, (5 lbs.) \$2.75, \$2.85 postpaid.

#### Conkey's Roup Pills

For treating individual cases and for use at shows when birds develop colds. These pills have saved many a valuable bird.

Packages, 30c., 60c., \$1.20. All postpaid; breeder size (1,000 pills) \$3.00; \$3.10 postpaid.

#### Conkey's Cholera Remedy

Packages, 25c., 50c., \$1.00, all postpaid; breeder size 5-lbs., \$2.50, \$2.65 postpaid.

#### Conkey's Canker and Bronchitis Remedy

Package 50c. postpaid.

#### Conkey's Sorehead Remedy

For dangerous, contagious sorehead or chicken pox.

Packages, 25c., 50c., 30c., 55c. postpaid; breeder size (1-lb. salve, 5-lb. powder) \$3.50 or 10 lbs. powder only, \$3.50, \$3.65 postpaid.





**The Park & Pollard Co**  
**LAY OR BUST FEEDS**  
 MANUFACTURED BY  
**The Park & Pollard Co 46 Canal St.**  
**BOSTON, MASS.**  
**POULTRY FEED SPECIALISTS**




## FRENCH'S POULTRY MUSTARD

Insures healthful and proper conditions at all times. This is not ordinary table mustard, but is prepared for poultry alone. Mix with dry meal, then add water.

Price 1½-lb. pkg. 40c.; 3-lb. pkg. 75c.; 5-lb. pkg. \$1.25; 10-lb. pkg. \$2.40; 25-lb. pail, \$5.50.

## SEMI-SOLID BUTTERMILK

for

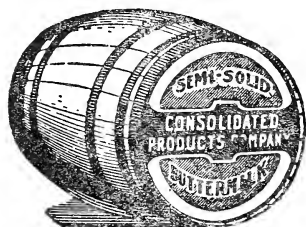
### POULTRY, SWINE AND CALVES

100 Per Cent. Pure Unadulterated Buttermilk, with absolutely nothing added to it, and only the surplus water removed.

**BUTTERMILK FOR POULTRY** means healthier and stronger chicks, quicker growth, less mortality, cheaper growth, better pullets, stronger breeding stock, better hatches, more eggs.

**BUTTERMILK FOR SWINE** means better breeding stock, healthier and stronger pigs, cheaper growth, quicker growth, earlier market, more profit.

**BUTTERMILK FOR CALVES** means a saving of whole milk, cheaper growth, healthier calves, consequently better cows.



"Nature's own feed"

Special pamphlets and prices on request.

If you are just starting in the poultry game—don't let your enthusiasm run away with your judgment. Begin in a small way and build with your profits. Let experience and knowledge keep pace with the growth of your plant.

We advise this because our prosperity depends on the continuous prosperity of our customers.



## GRANDIN'S POULTRY FEEDS

Be sure to get the Red Flag Brand of Feeds.

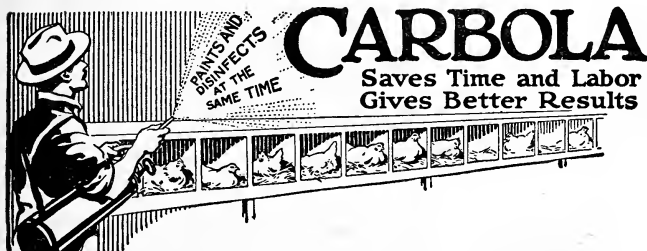
Look for the Red Flag on the Bag, the trade mark of Grandin's Quality Feeds. Best by all tests!

**GRANDIN'S CHICK FEED**—Nothing but the best grains used in this mixture for early and strong growth of the chickens.

**GRANDIN'S GROWING FEED**—Begin to use Grandin's Growing Feed when chicks are two weeks old, and continue till full grown. Keep it before them all the time for best results.

**GRANDIN'S SCRATCH FEED**—Nothing offered the consumer excels Grandin's Scratch Feed. The Best of everything in its mixture is used in the right proportion. Accept no other.

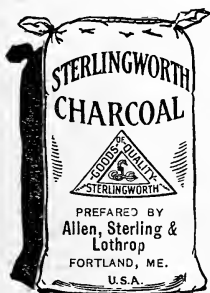
**GRANDIN'S POULTRY MASH WITH BUTTERMILK**—The best Mash made, containing buttermilk, sound grains, fish, meat scraps, etc. For egg production, keep the Mash before the hen all the time.



Carbola is a combined disinfectant and paint, or whitewash, that has gained the unqualified endorsement of thousands of poultrymen and farmers.

Carbola comes in powder form packed in convenient sized packages and is ready to use just as soon as it is mixed with cold or hot water.

Trial package (1 lb.) 30c. Delivered by Parcel Post 35c. (Paints and disinfects 250 square feet.) 10 lbs. (10 gals.) \$1.25, 50 lbs. (50 gals.) \$5.00. All F. O. B. Portland.



## STERLINGWORTH POULTRY CHARCOAL

Charcoal aids digestion, promotes health, and is generally corrective of many poultry ills. No poultry raiser can afford to be without it.

XX (Fine Granulated) for Chicks and Chick Food Mixtures.

XXX (Medium Granulated) for Half-Grown Fowls, Pigeons, etc.

XXXX (Coarse Granulated) for Grown Fowls, Geese, Turkeys, etc.

Price: 50-lb. paper lined burlap sacks \$2.50 each.

## Write for quotations for following Poultry Supplies

Oyster Shells  
Poultry Grit (Coarse)  
Chicken Grit (Fine)  
Bone Meal

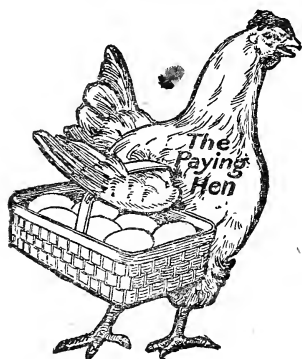
Poultry Bone  
Meat Scraps  
Hemp  
Millet

Sunflower Seed  
Tobacco Dust (in bulk)  
Powdered Tobacco (in packages)

# DR. HESS POULTRY AND STOCK PREPARATIONS

Prescriptions by Dr. Hess, M. D., D. V. S.

## Dr. Hess Poultry Pan-a-ce-a



Makes poultry healthy; makes hens lay; not a stimulant, but a tonic that tones up the dormant egg Organs, brings back the scratch and cackle and compels each hen to put her share of eggs in the market basket.

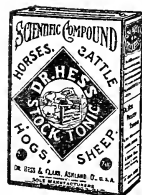
It also contains internal antiseptics that counteract disease; insures a healthy, singing poultry flock. Costs but a trifle—a penny's worth enough for thirty hens per day.

1½ lbs. 25c.; 5 lbs. 75c.; 12 lbs. \$1.50;  
25 lb. pail \$3.00



## Dr. Hess Stock Tonic

Formula printed on every package



Every ingredient indorsed by the U. S. Dispensatory and other high medical authorities. It aids digestion, makes stock healthy, and expels worms. Helps stock convert more ration into milk, flesh, blood and muscle. Every pound backed by the Dr. Hess & Clark unqualified guarantee.

2 lbs. 25c.; 4½ lbs. 50c.; 10 lbs. \$1.00  
25 lb. pail \$2.25; 100 lb. drum \$8.00

## Dr. Hess Worm Powder

For horses, sheep, cattle and hogs. It is highly concentrated and is an effective vermifuge. Dr. Hess' own prescription that proved effective in his practice.

PRICE, 1½ lbs. 50c.



## Dr. Hess Instant Louse Killer



Kills lice on poultry, horses, cattle; sheep ticks; bugs on cucumber, squash and melon vines; cabbage worm, slugs on rose bushes, etc. Sold in sifting-top cans. Look for the word "Instant" before buying.

PRICE, 1 lb. 25c., 2½ lbs 50c.

## Dr. Hess Dip and Disinfectant

Non-poisonous and non-irritating, and guaranteed to be absolutely uniform in strength at all times. One gallon of Dip makes from 70 to 100 gallons effective solution. Spray it on roosts. Sprinkle it over the runs and in all cracks and crevices. Spray it on cattle and horses. Makes a splendid dip for hogs and sheep. It's a sure parasite and disease germ destroyer. Purifies stables, troughs, sinks, drains.

Pt. 50c., Qt. 75c., 2 Qts. \$1.25, Gal. \$2.00



## Dr. Hess Healing Powder

The modern gall cure. Cures galls, cuts, wounds, ulcers, grease heel. Antiseptic and soothing. Heals everything it touches by forming a coating, cleaning and closing up wounds.

Comes in sifting-top cans.

PRICE, 4 oz. 25c.; 10 oz. 50c.

## Dr. Hess Heave Powder

A dependable preparation for relieving horses of heaves, chronic coughs, asthma, bronchitis, etc.; with careful diet, the frequent use of this valuable preparation will afford permanent relief in the majority of cases.

PRICE, 1½ lb. package 50c.



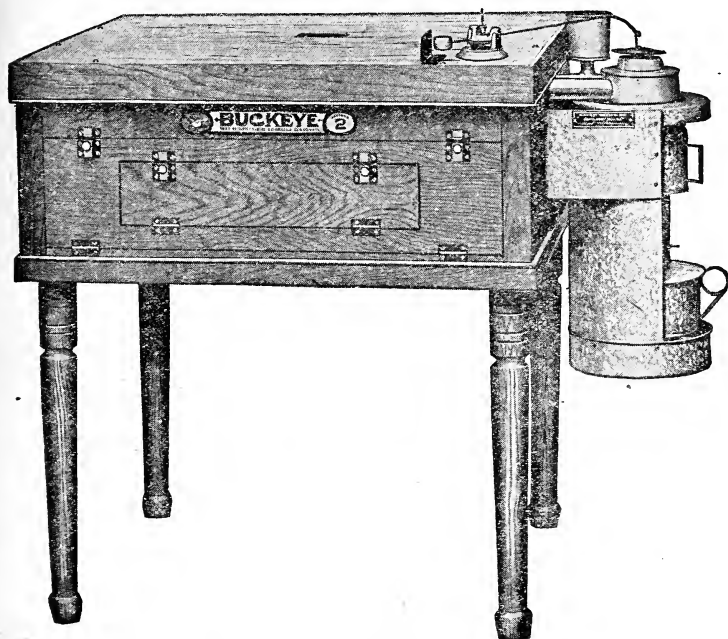
## Dr. Hess Roup Remedy

For the treatment and prevention of Roup, Diphtheria and all catarrhal diseases of fowls.

Price, 4 oz. 25c., 10 oz. 50c.

THE ABOVE PREPARATIONS SOLD ON A GUARANTEE OF YOUR MONEY BACK IF NOT SATISFIED. PRICES DO NOT INCLUDE POSTAGE

## BUCKEYE INCUBATORS



No. 2 (STANDARD)

### The "Standard" Hot Water Hatching Device

Every Buckeye "Standard" Incubator bears the Underwriters' Label of Approval.

During the past 25 years over five hundred thousand Buckeye incubators have been sold.

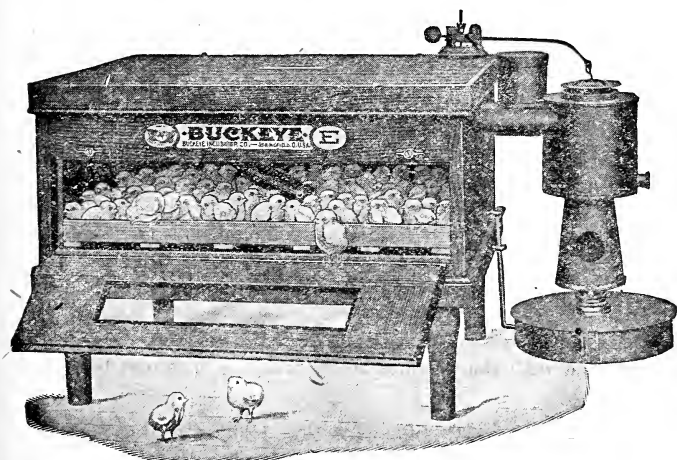
Buckeye incubators are equipped with every desirable device that can possibly add to incubator efficiency and they are sold with an absolute guarantee to hatch a chick from every hatchable egg.

Buckeye incubators are so simple that the beginner can operate them just as successfully as the experienced poultryman—that's why they are so uniformly satisfactory.

#### ... PRICES ...

No. 1, Standard, Capacity 120 Eggs,	\$37.50
No. 2, Standard, Capacity 175 Eggs,	44.50
No. 3, Standard, Capacity 250 Eggs,	57.75

No. 4, Standard, Capacity 350 Eggs,	68.00
No. 5, Standard, Capacity 600 Eggs,	107.00



No. 14 (Style E)

## BUCKEYE STYLE E

A Remarkable Incubator  
At a Remarkable Price

With All the Desirable Buckeye Features.

No. 14, Capacity	65 Eggs,	\$16.50
No. 16, Capacity	110 Eggs,	27.50
No. 17, Capacity	200 Eggs,	36.75

Ask Us For Illustrated Catalogue of Buckeye Incubators.

# Newtown Giant Colony Brooders

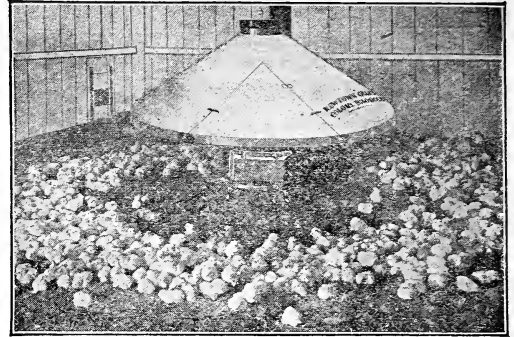
**"BUILT FOR LONG-TIME SERVICE"**

**RAISE the Most Chicks, the Best Chicks, With Least Labor and Lowest Cost**

You should have brooders which will raise good chicks and lots of them—which are not expensive to buy—which do not demand costly buildings—which are economical of labor and fuel—which will give continuously satisfactory service for many years.

The Newtown Coal-burning Colony Brooder meets these specifications. It was the first successful brooder of the colony type offered to American poultrymen and thousands are now in use in every State of the Union and nine foreign countries.

The Newtown Colony Brooder is Coal-burning, Self-feeding, Self-regulating, freely ventilated, safe and durable. It will satisfy your most exacting demands. It is made in sizes to fit your building and for any number up to 1,200 chicks. Get the size you need, but be sure it's a genuine Newtown. There's none "just as good."

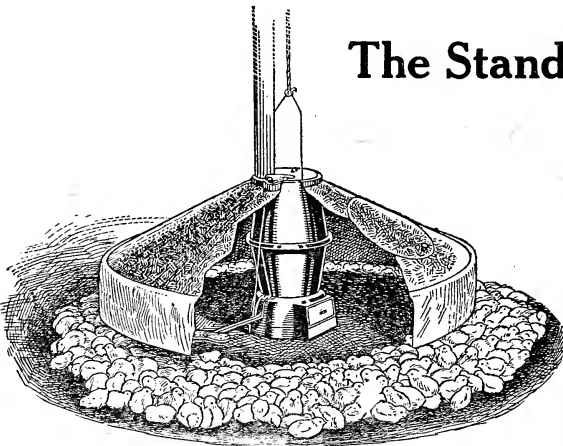


THE NEWTOWN MOTHERING THE CHICKS

## PRICES

Size of Brooder Based on Floor Space Used in Coldest Weather.

No. 6 for up to 120 sq. ft.....	\$22.50
No. 7 for up to 120 sq. ft.....	25.00
No. 11 for up to 240 sq. ft.....	32.50
No. 12 for up to 400 sq. ft.....	40.00



# The Standard-Buckeye Colony Brooder

**THE MOST REMARKABLE  
COAL BURNING  
BROODER EVER INVENTED**

Makes three chicks grow where one grew before; cuts the cost of equipment to less than half; cuts the cost of operation to less than half; reduces the time and labor to less than a fourth; Guaranteed to raise more chicks and better chicks.

**ABSOLUTE COMFORT FOR THE CHICKS.** It is a well-established fact that every chick is not entirely comfortable in the same temperature—some require a little more heat, while others require less. Under the conditions provided by the Buckeye Colony Brooder, every chick can seek the precise temperature that suits it best. If it needs plenty of warmth it moves closer to the stove, and if it requires less heat it moves farther away from the stove. They follow the natural inclinations of nature.

**IT IS ECONOMICAL,** as it burns but three to six cents' worth of coal in a day. In ordinary cool weather it cannot burn more than three cents' worth of coal, and with the weather below freezing it cannot burn more than six cents' worth in a day.

Prices: No. 18, 500 Chicks, \$21.50; No. 19, 1000 Chicks, \$26.50; No. 25, 1200 Chicks \$30.00

SEND TO US FOR SPECIAL BROODER CATALOGS

# THE INTERNATIONAL SANITARY HOVER

This hover or brooder is known as "The One Perfect Brooding Device." For over ten years it has stood the big test of raising chicks successfully and today retains the points that have made it the most popular brooder as well as the most successful.

## SPECIFICATIONS

The Sanitary Hover is made in only one size, 100 chicks. That is the sanitary size.

Diameter of the hover is 28 inches. Height of hover at center, 13½ inches. Height of hover to top of draft-pipe, 34 inches.

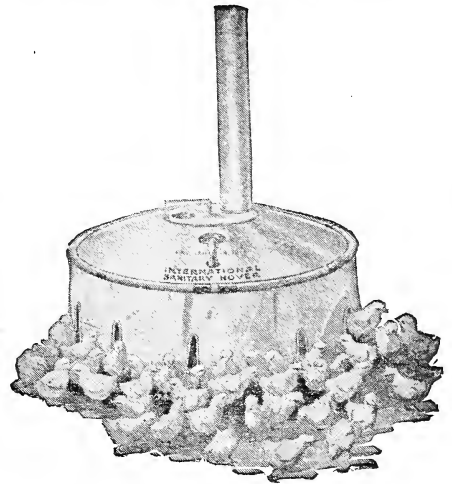
Curtain is six inches oversize to allow for shrinkage. The hover itself weighs about 16 to 18 pounds. The shipping weight is about 25 to 30 pounds.

Lamp bowl holds one quart of oil.

Every hover is furnished complete with curtain, lamp, thermometer and operating directions. It is ready to use except to put oil in the lamp fount and adjust the lamp wick to secure the desired temperature.

It is the one self-contained, complete brooder.

"The One Perfect Brooding Device"



PRICE \$13.50

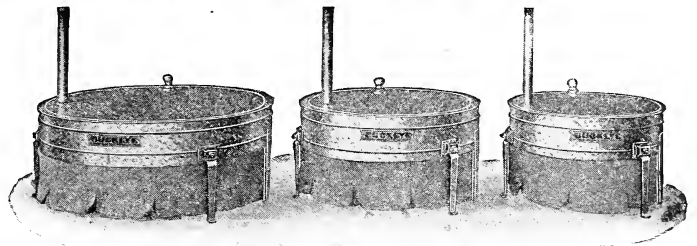
# BUCKEYE PORTABLE BROODERS

The Oil Burning Brooders With all the Desirable Features of the Modern Coal Burner

Guaranteed to be absolutely free from all gases or odors and to provide a circulation of pure, fresh air every minute in the day.

The Outside Shell is made of 28-gauge galvanized steel; the inside shell is 28-gauge black iron, with a one-inch dead air space between.

The Brooder Body is supported by three cast iron legs that are rigidly secured to the sides by a set nut, which makes them easily detachable.

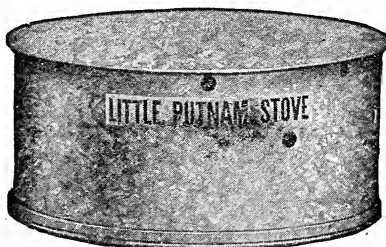


## BUILT IN THREE SIZES

No. 20, Capacity, 60 Chicks,	Price \$11.75
No. 21, Capacity, 100 Chicks,	Price 15.50
No. 22, Capacity, 150 Chicks,	Price 19.00

Write for Special Catalogue.

## LITTLE PUTNAM STOVE



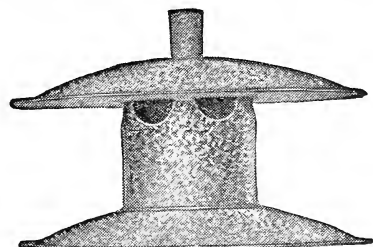
### USES OF THE LITTLE PUTNAM STOVE

Used under the drinking vessels of the poultry house to keep the water from freezing in the coldest winter weather.

A little Putnam Stove is nine inches in diameter and four inches high. The oil tank holds three pints of oil and burns three to four weeks without refilling or any other attention. The wick never needs trimming. The stove with any kind of fair usage will last a life-time.

LITTLE PUTNAM STOVE  
Price \$2.00 Each Postpaid.

## PUTNAM BROODER HEATER

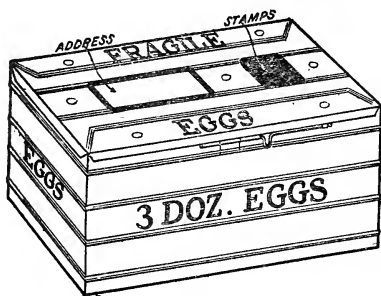


Pat'd June 13, 1916—Dec. 11, 1917

The fire-safe Putnam Brooder Heater is the heart of the Putnam Home-Made Brooder. It requires tending only once a week and can be relied upon to deliver a regular supply of heat.

The Putnam Home-Made Brooder is not for sale. You must make it yourself. The Brooder-Heater only is sold. Every Brooder-Heater is accompanied by EASILY FOLLOWED DIRECTIONS for building the Home Made Brooder. Price, \$4.75 each postpaid.

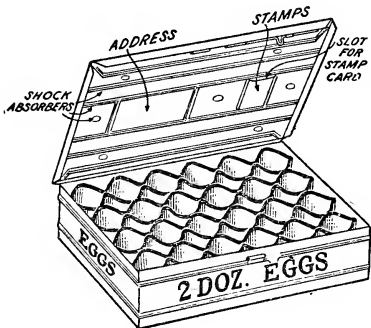
## THE ALUMINIZED METAL EGG CRATE



Has proven itself, by its thousands of users, to be the only practical idea for shipping Eggs, Butter and other farm products by Parcel Post.

### SERVICE

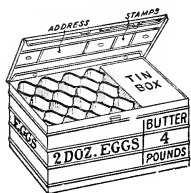
Four years on the market and over a half million sold is sufficient indorsement, when we tell you our early model Crates are in use today.



### PRICES

		P. P. Paid
1½ doz. size—all eggs	\$1.25	\$1.32
2 " " " "	1.50	1.57
3 " " " "	1.75	1.83
4 " " " "	2.00	2.09
6 " " " "	2.50	2.60

## COMBINATION CRATES

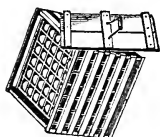


Any size Combination Crate desired can be supplied to carry eggs with Metal Containers to hold butter, lard, sausage, honey, cut-up chicken, country sliced ham, etc. Any of these Combination Crates will be found surprisingly satisfactory. Butter, lard, and other soft products will not melt or run in warmest weather.

		P. P. Paid
No. 1—2 lbs. and 1 doz. eggs	\$1.50	\$1.57
No. 2—4 " " 2 " "	2.00	2.08
No. 3—4 " " 3 " "	2.25	2.34

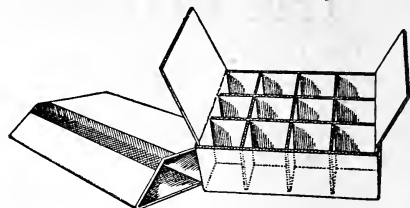
## Humpty Dumpty Folding Egg Crate

A very light, strong and convenient egg crate and carrier.



Size	Each	Per Doz.
3 Doz.	\$0.30	\$3.25
6 Doz.	.35	3.75
9 Doz.	.40	4.25
12 Doz.	.45	4.50

## PARCEL POST EGG BOXES



	Each	Per Doz.
1 Doz. Size,	\$0.15	\$1.25
2 Doz. Size,	.20	2.00
3 Doz. Size,	.25	2.50
4 Doz. Size,	.30	3.25
5 Doz. Size,	.35	3.75
6 Doz. Size,	.40	4.25

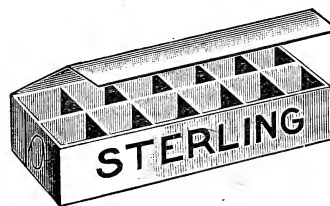
## THE ANDERSON HATCHING EGG BOX



Made of corrugated paper with double faced corrugated paper partitions protecting each individual egg. Folded flat for Shipment.

	Each	Doz.	Each	Doz.
1 Setting	\$0.30	\$3.25	50 Egg Size	\$0.60
2 Setting	.40	4.75		\$6.50

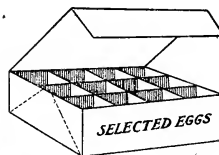
## "STERLING" PAPER EGG BOXES



These boxes are intended for use in delivering eggs to private families. They are of a very convenient size, are shipped knock-down and can be readily set up.

	Net Price
Per Doz.	\$0.30
" 25	.50
" 100	1.75

## "A.S.&L. PAPER EGG BOXES"

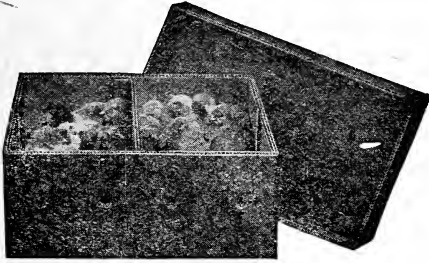


The old fashioned, nearly square, paper egg box. Stamp your name on the cover and guarantee the contents. It pays.

	Prices:
Per Doz.	\$0.18
" 25	.30
" 100	1.00

Clean, properly graded, well packed eggs command not only higher prices but a surer market. We have egg boxes for every need.

## SEFTON LIVE CHICK BOX



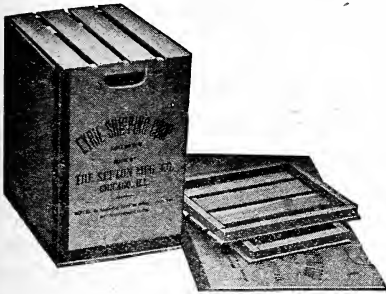
Made from best grade of corrugated paper. For shipment it is folded flat, but can be easily set up and made ready for use.

		Each	Doz.
25 Chicks.	Size 13 x 7 x 5	\$0.20	\$2.00
50 Chicks.	Size 14 x 13 x 5	.25	2.75
100 Chicks.	Size 26 x 14 x 5	.35	3.50

Parcel Post Extra.

## EYRIE SHIPPING COOP

A Strong, Light Weight Coop for Shipping Fancy Fowls



The body is made from extra heavy Corrugated Fibre Board, protecting the fowls from draughts, heat and cold. The top and bottom are strongly constructed of wood. They are folder flat for shipment greatly reducing freight and express charges.

No.	A	Size	Each	Doz.
No. A		Size 12x16x18 inches	\$0.70	\$6.75
" C		12x22x22 "	.85	9.00
" D		20x22x22 "	.90	10.25
" E		20x24x22 "	1.10	11.75

Parcel Post Extra.

## WATERPROOF SHEETING

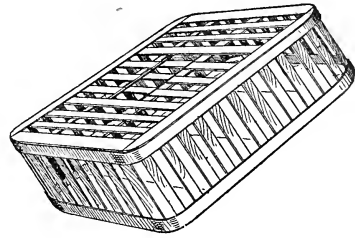
Use waterproof sheeting in the windows of your hen house in place of glass. Then there will always be a circulation of pure, dry air and no steam, as caused by glass. You will notice that the Experiment Stations use it. 36 inches wide 30c. per yard, 35c. post prepaid.

## NEST EGGS

Lime (medicated), each 4c., doz. 35c. Add 8c. per doz. if wanted sent by mail.

If you do not find what you want listed in our catalogue tell us about it. We will be only too glad to endeavor to get it for you.

## PINE TREE POULTRY SHIPPING CRATE



Made of Green Elm, then thoroughly dried. The round corners prevent injury and loss by crowding, so frequent in square cornered crates. Dimensions 24in. x 36in. x 12in. Price, \$2.50

## START OATS SPROUTING

The feeding of sprouted oats is no longer an experiment. By feeding sprouted oats through the winter, egg production can be kept up to a much larger degree than otherwise.

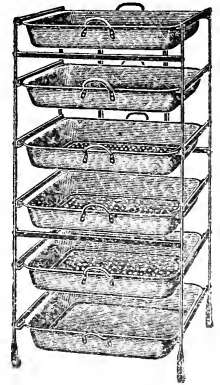
## Economy Oat Sprouter

This Sprouter employs the natural process for sprouting. No heat necessary.

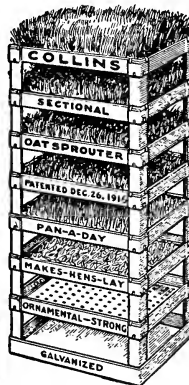
The Tray contains five Sprouting Pans and one Drip Pan 16x17 inches.

Made of galvanized iron—will not rust.

Price, \$7.00



## THE COLLINS SPROUTER



A practical quick growing, perpetual, sectional, fireless Oat Sprouter. Nests in corrugated boxes 4 inches high.

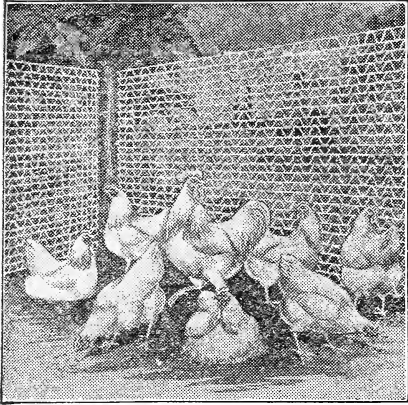
5 Pans 11x15, \$3.00, Weight 9 lbs.  
8 Pans 11x15, \$4.00, Weight 14 lbs.

## United States Poultry Fence

The United States Poultry Fence is galvanized after weaving and will not rust as Fencing galvanized before weaving.

The United States Poultry Fence has proven the best by test. It has long since established its superiority over other makes, and is in a class by itself. It is built to withstand use and abuse and is guaranteed to give satisfaction.

The United States Poultry Fence is strictly a "No-Sag" poultry fence, as the combination of line and mesh wires, closely woven, prevents any lengthening or narrowing between posts. In erecting United States Poultry Fence the line wires permit of being stretched to a high tension, which compels the fence to remain rigid and upright. These features place it a long stride beyond the Hex Mesh Netting, which never fails to narrow and lengthen if you attempt to stretch it to a tension required to prevent sagging.



### No. 19. Wire Poultry Fence, 2-inch Mesh

12 in. high, per roll	\$2.48	48 in. high, per roll	\$8.25
24 " " "	4.50	60 " " "	10.30
36 " " "	6.20	72 " " "	12.35

### No. 19. Wire Chicken Fence, 1-inch Mesh

12 in. high, per roll	\$4.95	24 in. high, per roll	\$9.00
18 " " "	7.10	36 " " "	12.35

SPECIAL AGENTS FOR PORTLAND

## RAT CORN



### Kill Your Rats, Mice, Gophers and Ground Squirrels

They simply dry up.

Rat Corn is harmless to human beings and live stock.

One pair of rats will produce 900,000,000 rats in five years.

The United States Government states in food alone, rats, mice, gophers, etc., destroy \$200,000,000 every year.

Small Can, 25c. Medium Can, 50c. Large Can, \$1.00.  
Price Includes Postage

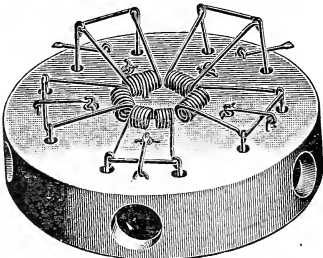


### Rats, Mice, Gophers and all Rodents Effectively and Scientifically Destroyed

You can surely and quickly put an end to all the rats and mice about your place. They will die outdoors. An important feature is that RAX is not a poison. It is harmless to human beings, house pets, chickens and other domestic animals, but deadly to rats, mice, gophers, field mice, and all members of the rodent family. Its effect is that sometimes entire droves in a locality are completely wiped out. They do not die in buildings but in the open, where they go in search of air and water. It is simple to use and does the work effectively and with absolute safety. Full directions with each bottle.

Price 75c bottle postpaid.

## WOOD CHOKER MOUSE TRAP



15c. each, \$1.50 per doz. postpaid



## VICTOR MOUSE TRAP

Price 35c. doz. postpaid

## VICTOR RAT TRAPS

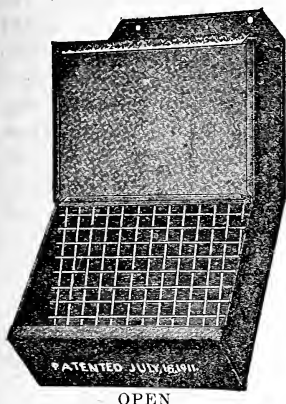
15c. each, \$1.50 per doz. postpaid.



THE SUCCESSFUL POULTRYMAN "FIGHTS" THE RATS.

## Sexton's Dry Feed Hopper

Easy to Fill. No Waste. Rat Proof.  
Dust-Proof



OPEN

This Hopper is arranged to hang on the wall the desired distance from the floor, and never need be removed from the wall to be refilled. It is impossible to waste any feed, as the pan at the bottom takes any feed that may be picked out and the last crumb can be used, therefore saving any waste. The body being covered keeps feed dust-proof and clean, and is always dry. Cover may be closed at night, making it rat-proof.

Body made of galvanized iron and the grating is of round galvanized wire, preventing the Poultry from cutting their bills. Price, \$1.75. Parcel Post Paid, \$1.90.

## "Overall" Feeders

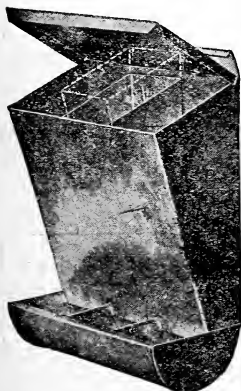


These feeders are made of heavy stoneware, are very strong and durable, easily cleaned and never clog, inexpensive, always accessible and at the same time the birds cannot waste the feed.

We pack carefully, but cannot guarantee against breakage.

6 quart size, 95c. each. 8 quart size, \$1.10 each. By parcel post add 15c. either size.

## The Portland Self-Feeding Hopper



Made of Galvanized Iron, with portable partitions, so that they may be made into one, two, or three compartments as desired. Will not Clog. Price \$1.25. Parcel post paid \$1.35.

## "CYMACO" Dry Mash Feeders Solve Feeding Problems



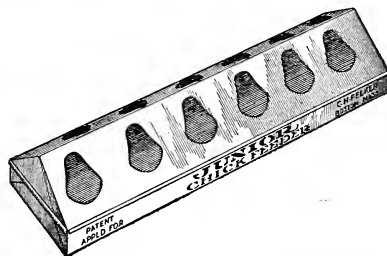
"CYMACO" Feeders are so constructed that they feed from BOTH sides, thus accommodating TWICE the number of fowls at the same time as ordinary feeders.

No. 12—"CYMACO" Dry Mash Feeder, 12 inches long, two feet feeding space; capacity one-half bushel. Price \$2.25. Parcel Post Paid, \$2.40.

No. 24—"CYMACO" Dry Mash Feeder, 24 inches long, four feet feeding space; capacity one bushel. Price \$3.00. Parcel Post Paid, \$3.25.

## Junior Chick Feeder

FEEDS DRY MASH  
OR HARD GRAIN



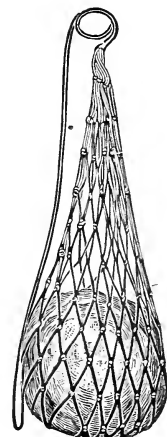
FEEDS SOUR MILK  
OR WATER

Made in two sizes. 12 inch, price 25c., post paid 30c. 20 inch, price 40c., post paid 45c.

## Carter's Green Food Feeder

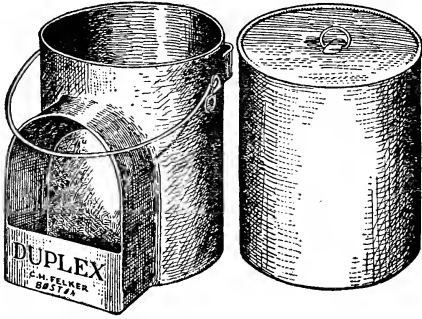
Made of strong, soft twine. Hang in the hen house or yard for poultry feeding. Capacity, one-half bushel of cabbage, beets, clover, etc.

PRICE 35c. POSTPAID



The feeders you find listed here are not just "new-fangled ideas," but are common sense helps that will increase egg production.

## THE DUPLEX FOUNTAIN



The latest and most practical sanitary fountain on the market. This is a double fount, keeps the water clean and pure. Easy to fill. Easy to care for. 4-qts., \$1.15, Parcel Post, weight 3 lbs.; 8-qts., \$1.35, Parcel Post, weight 4 lbs.

## IDEAL SANITARY POULTRY DRINKING FOUNTAIN



Keeps water cool in Summer and warm in Winter

The simplest, handiest and most practical fountain made. Keeps water the right temperature all the year. Has no lamps to trim and valves to get out of order. Saves time, labor, and worry and costs nothing to run.

The fountain is made of galvanized iron, and is similar in construction to the fireless cooker, being packed with a non-conducting material to retain the temperature of the water.

Size	Price
2 Gallon,	\$4.25
3 Gallon,	4.75
5 Gallon,	5.50

## The Peerless Brooder Fountain



It is the ideal fountain for small chickens. Easy to fill and easy to clean.

Price, 35c.

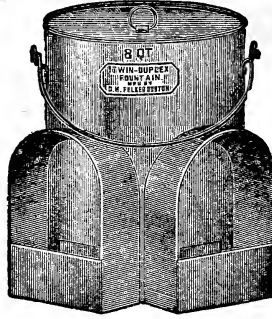
Mailing weight, 2 lbs.

## Stoneware Fountains



They keep the water cool, and it is impossible for chickens to get drowned. 1 qt., 40c., 2 qts., 45c., 4 qts., 55c. By Parcel Post 15c. added.

## THE TWIN DUPLEX FOUNTAIN



Our New Fountain with double drinking space. The latest and best on the market. Constructed with two water fronts which doubles the drinking capacity. Made in two sizes. 8 qt. \$2.00, by parcel post prepaid, \$2.15. 5 gal. \$3.50, by parcel post prepaid, \$3.75

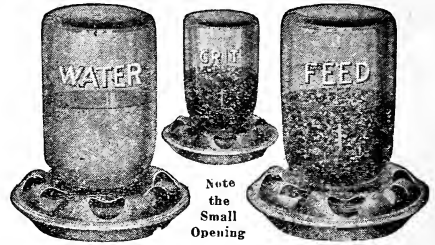


## NESCO SANITARY FOUNTAIN

Galvanized Pan and Cone-Shaped Top. Easily Cleaned. 1 qt. 40c. By Parcel Post Prepaid, 45c.

## The American Feeder and Fountain

### BEST FOR BABY CHICKS



3 Pans 75c POST PAID 4 Pans \$1

Fit any Mason Jar—Easy to clear

The small openings prevent dirt from getting into the pan—prevent the chicks from getting into the feed or water and prevent them from crowding too close around the feeder.

### CUPS FOR POULTRY COOPS

These cups are made to hang inside of exhibition coops or cages and can be used for birds or small pet animals.

No. 1 holds ½ pint.....\$0.20  
No. 2 holds 1 pint......25



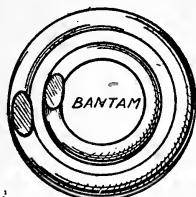
Margaret Mahaney's Turkey Treatment for Black Head. Long and successfully used with a large percentage of cures. Price \$1.00 postpaid.

# SPIR-OL

TRADE MARK  
LEG BANDS



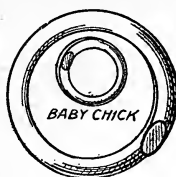
RED  
WHITE  
BLUE  
GREEN  
BLACK  
PINK  
RUBY  
YELLOW



ASIATIC



MEDITERRANEAN



AMERICAN

Made of Celluloid

Identify birds as far as you can distinguish colors. Indestructible and can be slipped on and off like a key ring. Sample free. Poultry sizes: 12 for 15c., 25 for 30c., 50 for 50c., 100 for 75c., postpaid. Baby Chick Bands: 25 for 20c., 50 for 35c., 100 for 60c., Postpaid.



## FAVORITE LEG BANDS

(Double Clinch)

This is a popular aluminum leg band with RAISED FIGURES, and can be supplied in consecutive numbers as desired. It is easily attached, and, when in place, cannot be lost off in continuous wear.

Prices: Prepaid by mail, 12 for 15c., 25 for 25c., 50 for 45c., 100 for 75c.



## THE VICTOR LEG BANDS

In Colors with numbers

Made in celluloid and aluminum. Adjustable. Entirely new and different from all others. Large printed numbers, bright and clear colors. Red, blue, yellow and green. Prices: Prepaid by mail: 12 for 50c., 25 for \$1.00, 50 for \$1.85, 100 for \$3.50.



## CAPITAL LEG BANDS

Made of Aluminum

It is instantly adjustable to the size of the leg. It locks with a double clamp, fits the leg perfectly, and once on, stays on, until you remove it. The Figures are Raised or Embossed and are always clear and distinct. Supplied in consecutive numbers to suit purchaser.

Prices: Prepaid by mail, 12 for 15c., 25 for 25c., 50 for 45c., 100 for 75c.

## PETTEY'S POULTRY PUNCH



The best small chickmarker, and convenient to carry in the pocket. Postpaid 25c.

## MOE'S IDEAL POULTRY PUNCH



A New Improved Punch. Works easily, cuts clean, and does not pinch the foot. Length 3½ in. Nickel plated. Each 50c.

Sent by parcel post, prepaid.

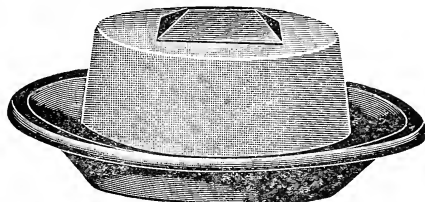
## WATER GLASS



Put your eggs down in the spring and summer, when they are cheap, and keep them fresh for ten months. One gallon makes sufficient solution for 50 dozen. Do not trust eggs to water glass of inferior strength. Rutland water glass is pure and strong and safely protects the eggs.

Prices: 1 pint, 20c., 1 quart 35c. gallon 90c.

## Sulphur Candles



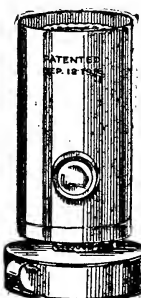
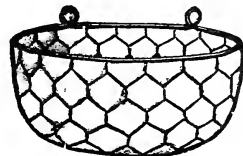
Burns  
Three  
Hours

They are excellent for ridding poultry houses, dog kennels, cellars, outhouses, etc., of most insect pests and disease germs. The vapor from them penetrates crevices which cannot be reached by powders or liquids. Price 15c. each; postpaid, 15c.

## Wire Hen's Nest

Supported on Walls by hooking over two nails.

Each, 25c., Per doz. \$2.25



## COLLINS EGG TESTER

For incubator use or for candling your eggs. To Fit Standard No. 2 Oil Burner. Price, 25c. By P. P. Prepaid, 30c.

## POULTRY KILLING KNIVES

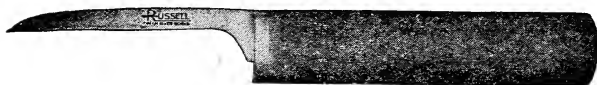
Every poultry raiser should have a killing knife. Scientific butchering means less work and a better market. Keep the axe to cut wood and learn the most up-to-date killing method from your County Agent.

### Universal Poultry Killing Knife



Made of finely tempered steel.  
Price 50c. each postpaid.

### RUSSELL POULTRY KILLING KNIFE



5 $\frac{7}{8}$  inches long, blade 2 $\frac{3}{8}$  inches. A most practical knife for poultry dressers.

Price, 75c. each postpaid.

### RUSSELL PINNERS' KNIFE

For Poultry "Tipping."



7 $\frac{1}{2}$  inches long, blade 3 inches. Scientifically designed, proportioned just right.

Price, 50c. each postpaid.

## BANNER ROOT CUTTER

No. 7, Exclusively for Poultry.



It cuts fast and is easy running. Leaves the feed in fine, brittle, ribbon-like strips that make choking impossible. Fowls large or small can safely eat the feed. The knives are adjustable and made of the very best of steel. An iron gate in bottom of hopper lets dirt and gravel escape before reaching the knives. In this cutter we offer the poultrymen a low-priced high-grade, nicely finished and mechanically constructed machine. Two to five minutes will cut enough feed for a large flock of fowls. Price, \$6.50.

chine. Two to five minutes will cut enough feed for a large flock of fowls. Price, \$6.50.

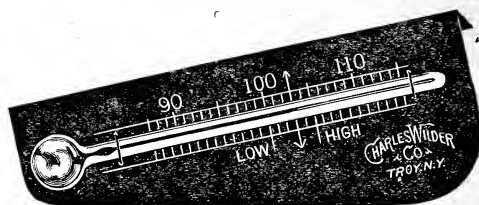


## The Philadelphia Caponizing Set

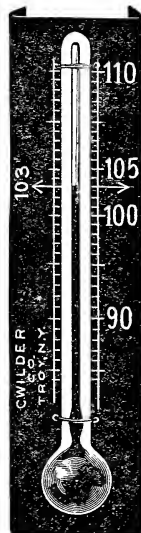
Complete, with instructions.

Price \$3.00, postpaid

## INCUBATOR AND BROODER THERMOMETERS



No. 1052  
75c. postpaid.



No. 1046  
75c. postpaid.

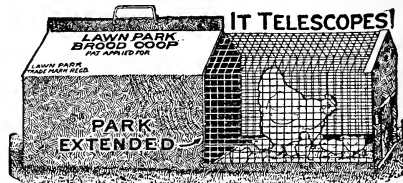


No. 1117  
75c. postpaid.



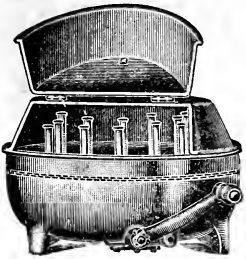
For  
International  
Hover  
75c. postpaid.

## The "LAWN PARK" Brood Coop.



IT TELESCOPES!  
It is made entirely of galvanized materials, will not rust, and absolutely protects chicks against rats, cats, dogs, hawks, vermin, cold, storms, etc. The metal actually repels lice—that's important. The main part of the coop is made from heavy galvanized steel, while the park is made from strong galvanized wire screen. Price, each \$4.25.

## THE "FACILE" IMPROVED BABCOCK MILK TESTER



The "FACILE" Hand Tester is very compact, and is the most favored apparatus, in small compass, for testing milk. Price includes a full set of glass ware, comprising test bottles, pipette, acid measure; also bottle brush and bottle of test acid.

2-Bottle Machine	\$7.00
4-Bottle Machine	8.00
6-Bottle Machine	17.00
8-Bottle Machine	18.00

## CYLINDER CHURNS



No. 1	3 Gallon Capacity,	\$3.50
No. 2	4 Gallon Capacity,	4.25
No. 3	7 Gallon Capacity,	5.00
No. 4	10 Gallon Capacity,	5.75

## FOLDING PARAFFINED BUTTER BOXES



1 Pound Size (2 Pieces), Price \$1.50 per 100.

SEND US YOUR MAIL ORDERS

## CHAMPION MILK COOLER AND AERATOR



Milk cooled as soon as milked makes more and better butter and cheese. Not only cools the milk, but completely aerates it, removing all offensive flavors.

Capacity of Milk Receiver	Size of Dairy	Takes Care of	Price
No. 2 18 Quarts	10 to 25 Cows	3 Milkers	\$10.00
No. 3 34 Quarts	25 to 50 Cows	5 Milkers	12.00

## THE LIGHTNING BUTTER MACHINE

Makes two pounds of milk-charged butter from one pound of butter and a pint of milk.

It is unsurpassed as a general household article for making salad dressing, whipping cream, mixing light batters, and other uses which will become apparent to every housewife.



Made in Four Sizes. Price, each,  
1 qt. \$1.75; 2 qt. \$2.25; 3 qt. \$2.75;  
4 qt. \$3.00.

## BUTTER COLOR

Dandelion Brand helps you to get top prices.

Purely Vegetable.

Always gives satisfaction.

Small size, 4 oz., 35c.

Medium size, 10 oz., 65c.

Large size, 24 oz., \$1.00.



## PARCHMENT BUTTER PAPER

For wrapping and covering butter, for layers and caps on top of tubs, jars, tumblers, etc.

Price, 35c. per lb.  
By parcel post, prepaid 40c per lb.



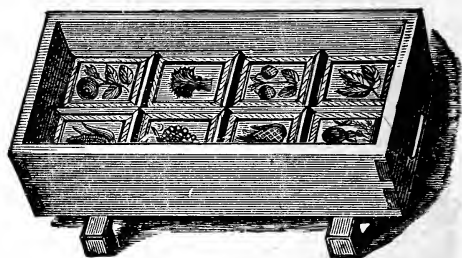
# THE KINERSON COMBINATION BUTTER PRINTS

These Butter Prints are largely used and give perfect satisfaction; practical, simple and durable.

Prints engraved to order with simple design, initial or monogram, without extra charge.

For special design a small advance on the list will be charged.

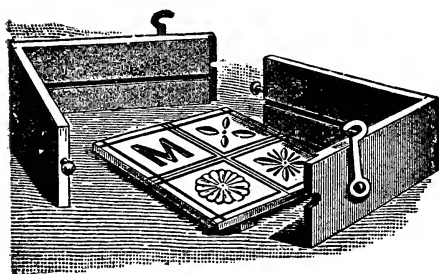
A paddle and two cutters are furnished with each print.



No. 6 Print

No. of Print	No. of Cakes	Capacity of Moulds in lbs.	Capacity of Each Cake in ounces	Dimensions of Moulds in inches	Dimensions of Each Cake	Price
2	4	2	8	11 x 3 $\frac{3}{4}$	3 $\frac{3}{4}$ x 2 $\frac{3}{4}$	\$6.50
3	4	2	8	12 x 3	3 x 3	6.50
4	4	1	4	4 $\frac{1}{2}$ x 5	2 $\frac{1}{4}$ x 2 $\frac{1}{2}$	5.75
5	4	1	4	10 x 2 $\frac{1}{2}$	2 $\frac{1}{2}$ x 2 $\frac{1}{2}$	6.50
6	8	2	4	10 x 4 $\frac{1}{2}$	2 $\frac{1}{4}$ x 2 $\frac{1}{2}$	7.50
10	24	1 $\frac{1}{2}$	1	10 x 4	1 $\frac{1}{4}$ x 1 $\frac{1}{3}$	9.25
12	8	4	8	11 x 5	2 $\frac{3}{4}$ x 2 $\frac{1}{2}$	8.80

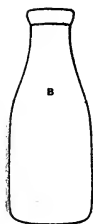
## BLANCHARD BUTTER MOULDS



$\frac{1}{2}$ Pound, 2— $\frac{1}{4}$ lb. Prints, Parcel Post, weight, 1 lb.	\$0.75
1 Pound, 4— $\frac{1}{4}$ lb. Prints, Parcel Post, weight, 2 lbs.	.85
2 Pound, 8— $\frac{1}{4}$ lb. Prints, Parcel Post, weight, 2 lbs.	1.25

Initial Engraved, 25 cents extra for each cake

## MILK OR CREAM BOTTLES



Half-pint, per dozen,	\$0.85
Pint " "	.95
Quart " "	1.15

Special prices in gross lots.

## MILK BOTTLE CAPS

PLAIN OR PRINTED

1,000 in a package or 5,000 in a package

Write for prices.

## DAIRY THERMOMETERS



No. 15  
each, \$1.00

No. 1046  
each, .75



No. 1046

Send to us for

	Each
Butter Ladles,	\$0.25
Butter Spades,	.15
Milk Pipettes,	.40
Acid Measures,	.25
Test Bottles,	.40
(Milk or Cream)	

## SMALL'S CALF FEEDER



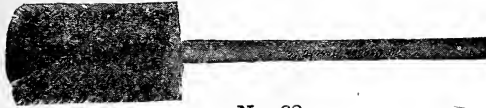
Price \$4.00

Extra Nipples, 50c.

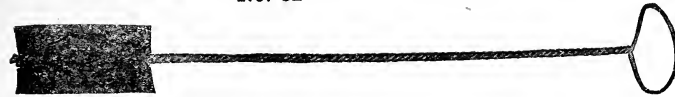
# DAIRY BRUSHES



No. 86 and No. 73



No. 82



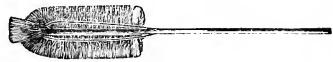
No. 33 and No. 35



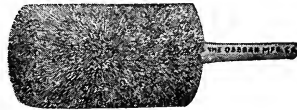
No. 89 and No. 412



No. 47



No. 61



No. 138



No. 6



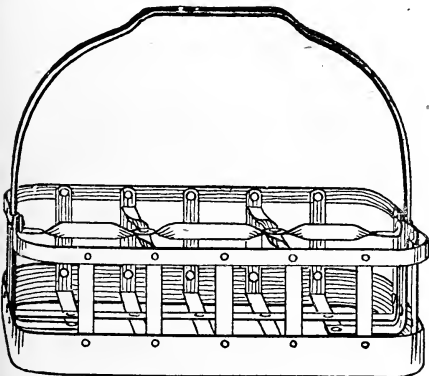
No. 104



No. 416

- No. 86. Hand Bottle Brush. Pure Bristle, small size, handle  $\frac{1}{2}$  inch diameter, 10 inches long...60c each
- No. 73. Hand Bottle Brush. Pure Bristle, large size, handle  $\frac{1}{2}$  inch diameter, 10 inches long...60c. each
- No. 82. Hand Bottle Brush. Extra Stiff Grey Hair, brush part 3 inches diameter, handle  $\frac{5}{8}$  inch diameter, 10 inches long.....50c. each
- No. 33. Sharples Bowl Brush. Palmetto Fibre, brush part 2 inches diameter, 3 inches long, length over all 18 inches.....25c. each.
- No. 35. Sharples Bowl Brush. Palmetto Fibre, brush part  $2\frac{3}{8}$  inches diameter, 4 inches long, length over all 24 inches.....40c each
- No. 89. Hand Can Brush. Grey Tampico, brush part 5 inches diameter, 5 inches long, length of handle 24 inches, length over all 29 inches.....90c. each.
- No. 412. Same as 89. Brush Palmetto Fibre. ....\$1.10 each.

- No. 47. Bowl Brush. Black Tampico, brush part  $3\frac{1}{4}$  inches diameter,  $5\frac{1}{2}$  inches long, length over all  $13\frac{3}{8}$  inches.....80c. each.
- No. 61. Hand Bottle Brush. Black China Bristle, brush part  $3\frac{1}{4}$  inches wide,  $2\frac{1}{4}$  inches thick, handle 10 inches long. 35c. each.
- No. 138. Machine Bottle Brush. Paint Stump Bristle brush part 3 inches diameter, handle 5 inches long, tapered to  $\frac{1}{2}$  inch diameter at end....75c. each.
- No. 6. Sharples Feed Tube Brush. Grey Russia Bristle, brush part  $\frac{3}{8}$  inch diameter, 2 inches long .....10c. each.
- No. 104. Separator Tube Brush. Black China Bristle, brush part  $\frac{1}{4}$  inch diameter, 2 inches long, length over all  $6\frac{1}{4}$  inches.....15c. each.
- No. 416. Can Brush. Stiff Palmetto Fibre, brush part 5 inches wide, 4 inches long, length over all 10 inches .....75c. each.



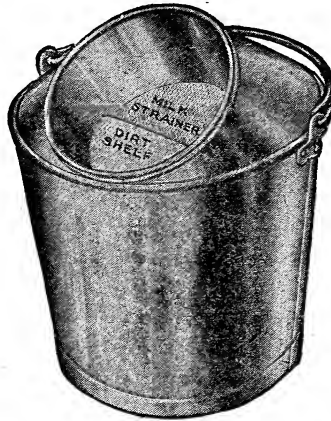
# MILK BOTTLE CARRIERS

4	Bottle (Quarts)	round wire	\$1.00
6	"	" " "	1.25
8	"	" " "	1.50
6	"	" flat wire	1.50
8	"	" " "	2.00



### Dairy and Water Pail

10 Quart, Price, \$0.90  
12 Quart, Price, \$1.00



### STERILAC

Seamless Price, \$5.00



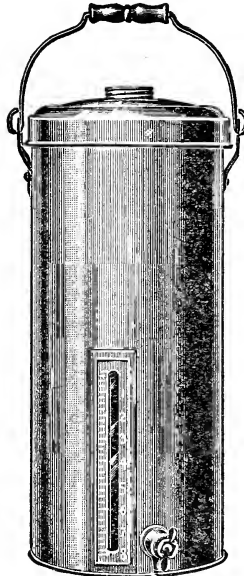
### Atlantic Strainer Dairy Pail

12 Quart, Price, \$1.75; 14 Quart, Price, \$1.85

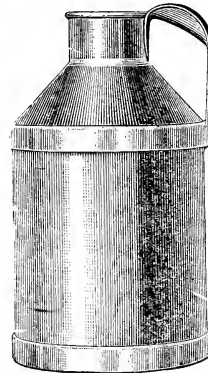


### Cream Pails

Ventilated Covers, retinned  
20-qt., Price, \$2.25



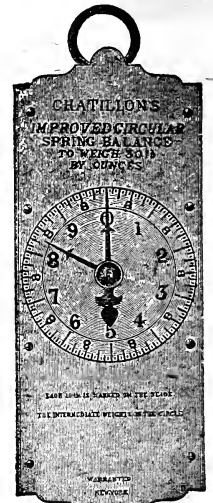
No. 430 Cream Pail  
20 quart, Price, \$3.25



### MILK CANS

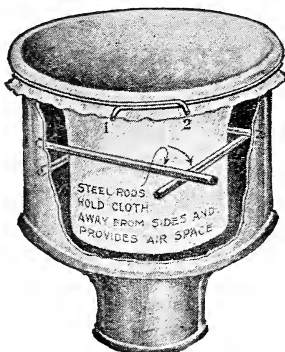
We can furnish  
any style or size

Write for quotations



Milk Scale

## THE HORNE VERTICAL CAN STRAINER



Is warranted to filter milk free from the slightest trace of sediment as fast as poured.

Made of heavy charcoal tin, all inside joints thoroughly soldered and no angles for accumulation of filth.

Price of strainer complete, \$3.00.

Price of filtering flannels, each, 25c.

### Milk and Cream Scale

The cut represents a special scale designed for weighing milk in the pail, so as to determine the yield of each cow.

Scale registers in tenths.

60 Pounds Capacity,

Price, \$7.25

# North Star Wool Fat

(Antiseptic Compound)

This natural skin-fat quickly heals scratched or chapped teats and relieves feverish or caked udders. Dairy men find that cows require less time to milk and "give down" more freely when their udders and teats are kept smooth, healthy and pliable by the frequent application of North Star Wool Fat.

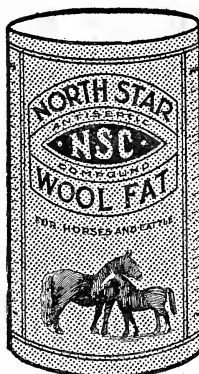
Horse owners can prevent loss of valuable time during the busy season by the judicious use of North Star Wool Fat. It relieves:

**SORE SHOULDERS  
WIRE CUTS  
COLLAR GALLS**

**CORNS  
HARD AND CONTRACTED FEET  
CRACKS**

**SKIN DISEASES  
THRUSH  
GREASE HEELS**

Applied to calves, pigs and lambs after altering, it protects and heals.  
Price: 18 oz. can \$1.00      8 oz can 50c.



## BAG BALM

For bunches, cuts, caked bag, sore teats, chapping, and inflammation.

Price, 65c. per can  
71c. postpaid

## GRANGE GARGET CURE

Cures garget without in any way injuring the cow or lessening the flow of milk.

Price, 65c. per can  
71c. postpaid



## KOW-KARE

(Old name "Kow-Kure")  
For Cows Only

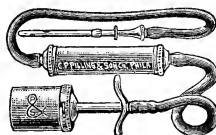
It cures scours, removes bunches from the bag, prevents cows from losing their calves, gets barren cows with calf, and makes a strong appetite and perfect digestion that produces a larger flow of richer milk.

Price, 60c. and \$1.20  
By parcel post 66c. and \$1.28



## THE PILLING MILK FEVER OUTFIT

For Air Treatment



This treatment recommended by the Bureau of Animal Industry, United States Government, Department of Agriculture.

Price \$3.50 postpaid.

## MILKING TUBES

For Sore and Obstructed Teats and Hard Milking Cows



Price Postpaid, 25c.

## USE GERM-X IN YOUR DAIRY



Germ-X is a non-poisonous disinfectant. It will sterilize milk cans, bottles, separators, etc. It is more efficient than live steam applied for the same length of time. It loosens slime—saves from one-half to three-fourths the time required for cleaning dairy utensils. Price per gallon, \$2.50. Five gallons, \$10.00.

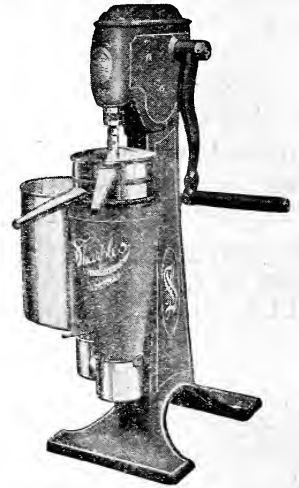
## SHARPLES PRICES ARE THOSE OF 1908-1913

The New Sharples Suction-feed Separator saves 50% in cost of operation, in labor of cleaning, in oil and in repairs and it **saves ALL the cream**. The New Sharples requires no speed indicators. It skims clean and produces cream of uniform density at any speed. 28 new features never before used in cream separator construction are represented in the New Sharples Suction-feed Tubular. It is absolutely automatic in its feeding, skimming and separating functions and, even in the hands of a beginner, it cannot lose butterfat or produce uneven cream.

**Handsome New Catalogue Sent Free On Request**

**The Sharples Suction-Feed is the Only Separator That  
Skims Clean at Any Speed**

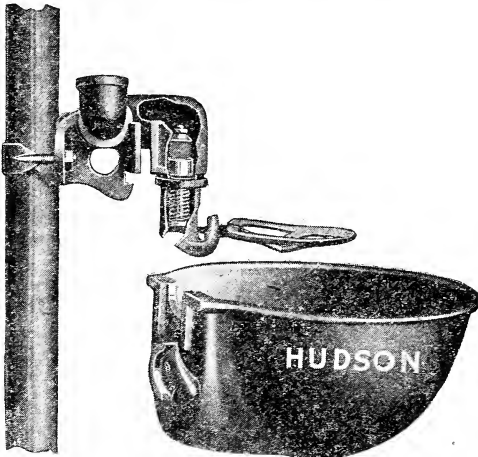
### THE NEW SHARPLES



**SUCTION-FEED  
TUBULAR  
CREAM SEPARATOR**

### HUDSON WATER BOWL

(Quick Detachable—Automatic)



#### THE HUDSON Q-D WATER BOWL IS THE BEST

The Hudson Q-D Bowl is the easiest to install and can be attached to either wood or steel stalls. It can be easily detached to be cleaned and scoured if necessary, and replaced as clean as when first installed. The detachable feature is the only way to keep the bowl clean and sanitary without trouble.

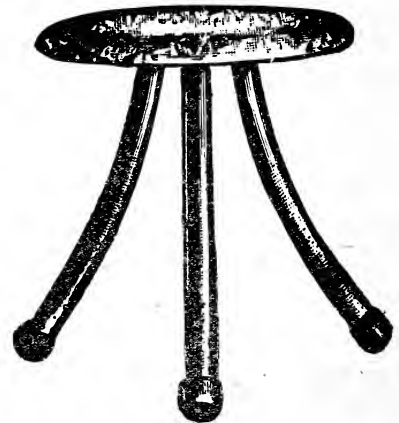
It is easy to operate, the slightest pressure of the cow's nose opens the valve and allows the water to flow as fast as she drinks. As soon as she raises her nose the water stops instantly. **No chance to overflow.**

The pressure plate is arranged so it can be easily removed to prevent the animal drinking.

It can be seen from the illustration that this bowl may be supplied from either top or bottom. This is important because of the varying conditions in barns.

**Price, \$3.00 each.**

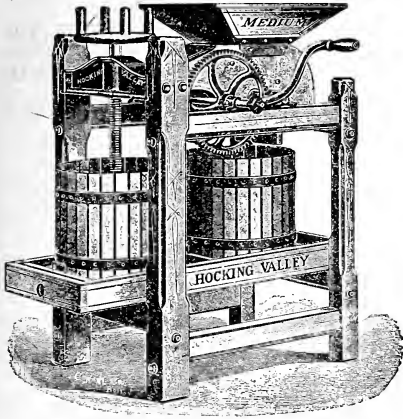
### Chester Milking Stool



The Chester All Metal Milking Stool is sanitary. The legs and top are steel. The casting that holds the legs is malleable iron, consequently it is practically indestructible. Your stable is incomplete without them.

**Price, each .....\$1.75**

## HOCKING VALLEY CIDER MILLS



The device for grinding the fruit is the same as is used on the large hydraulic presses, and makes a pomace that yields under the press every particle of juice in the fruit.

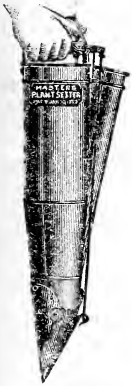
An important feature of the mills is the absence of metal of any kind to rust or impair the quality of the cider.

A quart of water will clean it after using.

They are made in the three following sizes:

Senior	Size of Tubs, 13½ in. high, 15½ diam.
Medium	“ “ “ 12 in. high, 12½ diam.
Junior	“ “ “ 10½ in. high, 10 diam.

Write For Prices.

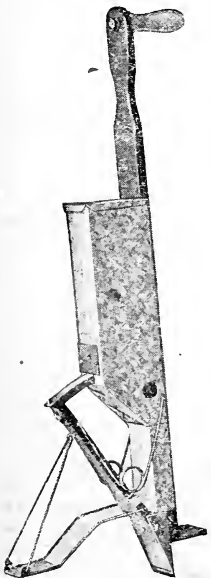


Here is a **REAL LABOR SAVER** for every Farmer and Gardener

## MASTERS RAPID PLANT SETTER

for transplanting tomatoes, cabbage, strawberries, cauliflower, peppers, asters, and all similar plants.

Each plant is **SET, WATERED, and COVERED** in one operation. This little machine positively eliminates all of the hard, tedious labor, does perfect work. Is more than three times as fast as hand setting. It is strongly built, and will last for years. Shipping weight 7 lbs., price \$6.25 each.



### The Eclipse Rotary Corn Planter

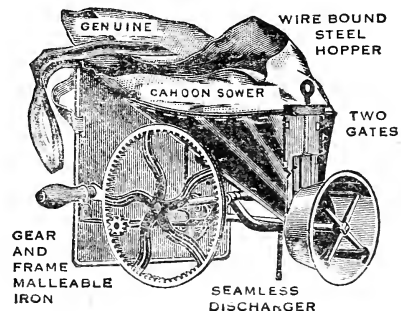
Eclipses all others; has positive feed.

Four changes of discs. Eclipse is the easiest operating planter on the market.

Price, \$2.50

### Cahoon Seed Sower

For Sowing Wheat, Barley, Oats, Buckwheat, Grass Seed, etc.



Sows from four to eight acres per hour at a common walking gait, throwing out wheat a distance of 40 feet wide.

Parcel post, weight 9 lbs. Price \$5.00.



# Planet Jr. Garden Tools

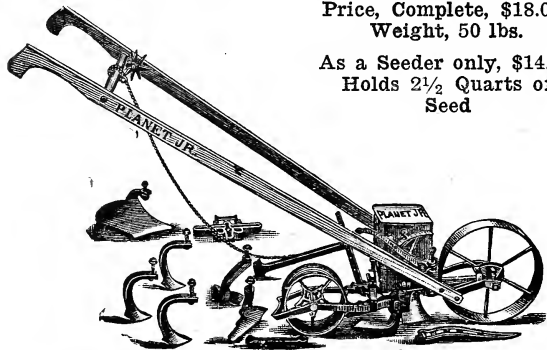


The "Planet Jr." Catalogue is the best and most instructive book ever issued on a similar subject. Full of little points that bring profit. Full of true and handsome illustrations. We mail it free to any address on application.

## No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow

Price, Complete, \$18.00  
Weight, 50 lbs.

As a Seeder only, \$14.50  
Holds  $2\frac{1}{2}$  Quarts of Seed



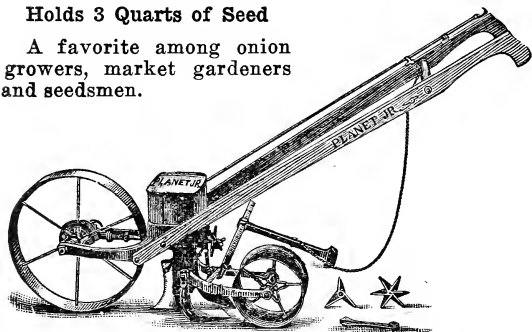
For use as a cultivator, the drill parts are removed and the tool frame substituted by changing but one bolt; it is then a perfect single wheel hoe, with a variety of tools.

## No. 3 Planet Jr. Hill and Drill Seeder

Price, \$17.50

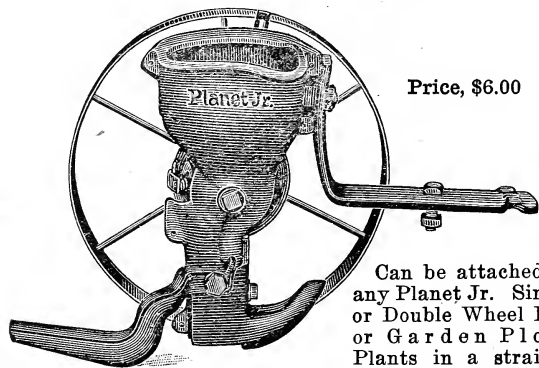
Holds 3 Quarts of Seed

A favorite among onion growers, market gardeners and seedsmen.



## No. 35 Planet Jr. Seeder Attachment

Price, \$6.00



Can be attached to any Planet Jr. Single or Double Wheel Hoe or Garden Plow. Plants in a straight continuous row, at uniform depth, quicker than by hand and infinitely better. Holds one pint. Can be used for planting even a small packet of seed. Has a handle-bracket and can be used independently of the wheel hoe. Handle extra 50 cents.

Everyone having a small kitchen garden should have this handy seeder.

## No. 25 Planet Jr. Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator and Plow

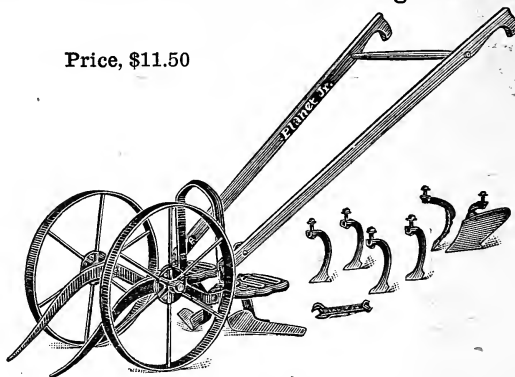
Price, \$22.00



A splendid combination for the family garden, onion grower, or large gardener. It is a perfect seeder, and combined double and single wheel hoe.

## No. 12 Planet Jr. Double and Single Wheel Hoe

Price, \$11.50



A single and double wheel hoe in one. Straddles crops till 20 inches high, then works between. Has steel frames and 14-inch steel wheels.

## No. 33 Planet Jr. Single Wheel Hoe

Price, \$6.00



This combination will delight the suburbanite, the growing boy, women, younger or older, who will find it a light running wheel hoe that will save them hard work

and help much to supply the table with fine vegetables.

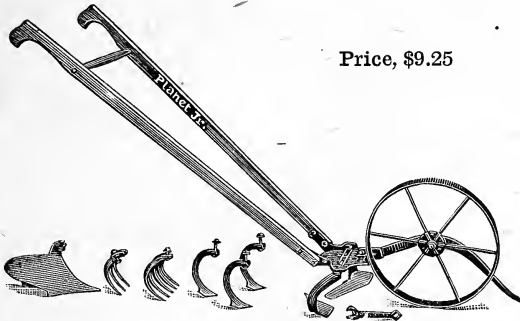


# Planet Jr. Garden Tools



We offer these Tools as the highest type of their class. They have a great variety of attachments which adapt the implements to a large variety of work, and there is scarcely any garden culture of which they are not capable.

## No. 16 Planet Jr. Single Wheel Hoe, Cultivator, Rake and Plow



Price, \$9.25

The highest type of Single Wheel Hoe made. Light but strong, and can be used by man, woman or boy. Will do all the cultivation in your garden in the easiest, quickest, and best way.

Nos. 16, 17, and 17½ wheels, frames and handles are alike, but the attachments sold with each vary.

## No. 17 Planet Jr. Single Wheel Hoe

Price, \$7.75

The No. 17 has a pair of 6-inch hoes, a plow and a set of cultivator teeth.

## No. 17½ Planet Jr. Single Wheel Hoe

Price, \$7.00

The pair of 6-inch hoes, three cultivator teeth and leaf lifter which go with it, are all the finest of their kind.



## No. 19 Planet Jr. Single Wheel Hoe, Cultivator and Plow

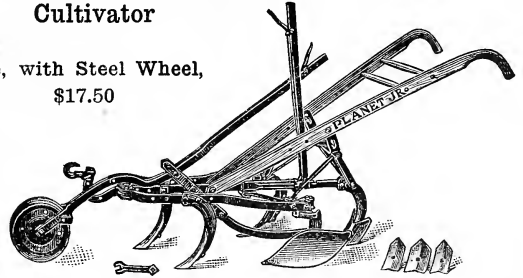
Price, \$5.75

15 in. Steel Wheel

This attractive implement is especially designed for the farmer's garden work, though it offers to every one with either field or garden a cheap and effective tool for wheel-hoe operations. The high wheel makes easy pruning.

## No. 8 Planet Jr. Combined Horse Hoe and Cultivator

Price, with Steel Wheel,  
\$17.50



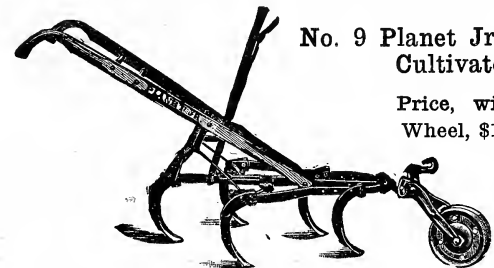
Equipment: Four 3x8-in. plates, one 4x8-in. plate, two 6-in. side hoes, one 7-in. shovel, level wheel, lever expander. Depth regulator.

This is a general favorite, being easily understood and operated. The tool is especially strong, being braced so as to make a stiff, unyielding tool intended for long service.

## No. 9 Planet Jr. Combined Horse Hoe

Price, with Steel Wheel, \$15.50

This Horse Hoe is identical with No. 8, except that it has no depth regulator and a plain wheel instead of lever wheel.



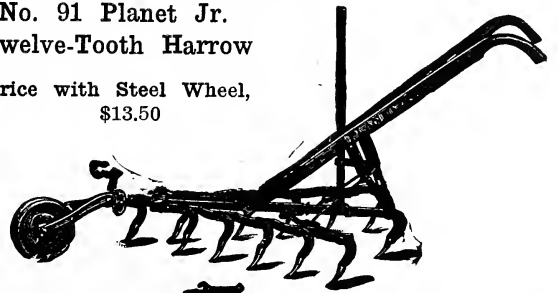
## No. 9 Planet Jr. Plain Cultivator

Price, with Steel Wheel, \$13.50

A light and strong tool, having improved patent hollow steel standards, parallel and extra high steel frame, patent lever expanders, handle braces and side adjustments for handles. Used with or without a wheel, the wheel being preferred.

## No. 91 Planet Jr. Twelve-Tooth Harrow

Price with Steel Wheel,  
\$13.50



Gardeners cultivate better than formerly. It has been found to pay best. With the Twelve-Tooth Harrow you go as deep or shallow as you like, come up close to row without injuring plants, cut out all the weeds, stir the soil and mellow and fine it as with a garden rake. You widen and narrow as you please between 12 and 32 inches. It's a special favorite with strawberry growers, market gardeners and truckers.

## SPRAYERS

### The Hudson "Perfection" Sprayer

#### HIGH PRESSURE

For potato spraying, whitewashing and general use there is no Sprayer the equal of the Hudson Perfection. Pump has seamless brass tubing,  $1\frac{3}{4}$ " diameter, 15" long.

Tank made boiler fashion, of galvanized steel or brass,  $7\frac{1}{2}$  x 20". Capacity four gallons.

Spray Equipment—Perfection fog nozzle with automatic shutoff, 2 feet of  $\frac{3}{8}$ " spray hose.

The hose is attached to the discharge pipe at the top. This pipe reaches to the bottom of the tank, thus getting all the liquid in the tank.

Galvanized Steel Tank, 4 Gal. Price each, \$6.00.

Brass Tank, 4 Gal. Price each, \$8.50.

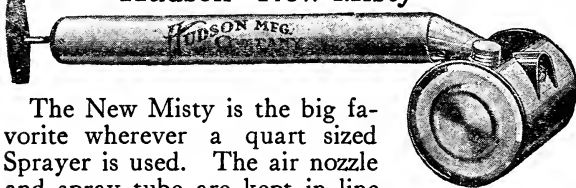
Junior Galvanized Steel Tank, 3 Gal. Each, \$4.50.



### Brass Auto Sprayer

For spraying all kinds insecticides. The most practical continuous sprayer made. All working parts are of brass—two nozzle tips, one straight and one upshoot. **PRICE EACH, \$1.50**

### Hudson "New Misty"



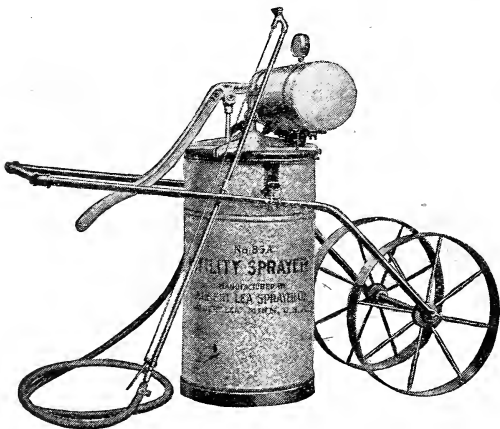
The New Misty is the big favorite wherever a quart sized Sprayer is used. The air nozzle and spray tube are kept in line by the pump passing through the top of the can, which adds greatly to the strength. The entire pump and tank is of high grade tin. **Price, 50c.**

### Hudson "Midget" Junior



A small Sprayer for house use. Will handle disinfectants, bug poisons, etc., etc. **Made of heavy tin. Holds one pint. Price, 40c.**

## UTILITY TWO WHEEL PORTABLE SPRAYER



No. 85-A.

A very useful and convenient outfit where the nature of the work necessitates the moving about of a large amount of liquid.

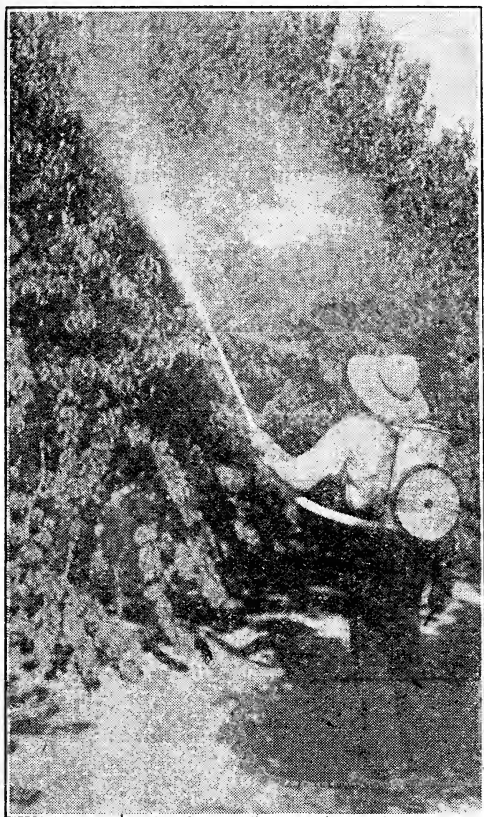
It is easily moved about by one hand, which leaves the other free for directing the spray. The steel frame is but 18 inches wide, permitting its use in greenhouses and other places where the passageways are narrow.

The air pressure tank, which is securely mounted on the spider pump casting, is so constructed that a sufficient pressure may be attained and considerable spraying done with one pumping. Tank is supplied with pressure gauge and drain plug.

Tank, 18-gallon capacity, made of heavy galvanized iron, Wheels, 18-inch diameter by  $2\frac{1}{2}$ -inch face. Equipment, 10 feet of  $\frac{1}{2}$ -inch, 5-ply hose, 4 foot spray rod, and shut-off nozzle. Price on application.

PRICES SUBJECT TO MARKET CHANGES

**AMERICAN BEAUTY DUSTER**  
For Orchard, Field and Garden Work



Dusting 20 Acres Per Day With the American Beauty Duster.

THE AMERICAN BEAUTY DUSTER is a one man machine. It is small in size and cost; big in operation. It is easily operated; has a large powerful bellows; and is capable of accomplishing an enormous amount of work. It is, in truth, a "Little Giant." Filled and brought into action in less than five minutes; always dependable, and always available at critical times.

Price, \$25.00.

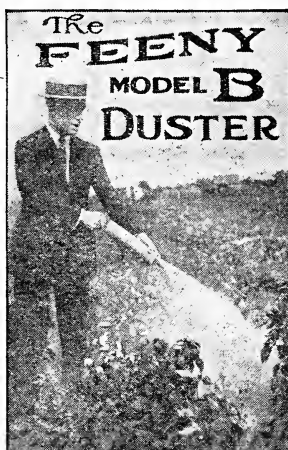
Send for circular giving full description of duster.

**UTILITY ONE GALLON SPRAYER**



A most convenient size compressed air type sprayer. Especially adapted for sanitary work, disinfecting, etc. Tank, 6 1/4 inches in diameter by 8 1/2 inches high. The discharge is through a 1/8-inch galvanized iron pipe from center of tank when in horizontal position. The nozzle is the self-closing type made of brass, provided with strainer, and is not affected by chemicals.

Price, \$4.50.

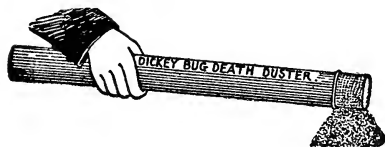


No other duster has the patented piston packing features of the Model B Duster. These features allow of the greatest moving volume of air and the greatest force with the least possible mechanical friction, insuring the easiest operation. With the Model B, the slightest movement forward of the piston, produces a dust cloud of the highest type. This is due to the perfect compression which is accomplished in no other dusting device.

Price, \$1.00.

Post Paid, \$1.10

**Dickey Bug Death Duster**



For use in applying BUG DEATH, DRY to small flower or vegetable gardens.

Price, 45c.

Postpaid, 50c.

**The B. D. Bug Death Sifter**



The B. D. Sifter is the latest hand device for applying BUG DEATH.

Easy to operate and gives quick covering to all plants and vines requiring a top application.

Price, 65c., Postpaid, 75c.

**BARRIE'S SOAP SPRAYER .**

Made of brass and nickel plated. Soap is placed in the bowl, the sprayer attached to the faucet and the hose to the sprayer. Water entering the bowl agitates the soap, giving a mild insecticide through the hose, while spraying, never injures the plants and is excellent for destroying green fly, etc., in greenhouse and garden. Mailing weight 2 pounds.

\$6.00 Each.

# INSECTICIDES AND FUNGICIDES



## STERLINGWORTH LIQUID BORDEAUX

A concentrated fungus remedy, used by dissolving in water.

Explicit directions for use on every can.

Prices: 1 qt. can 45c. each, mailing weight 4 lbs.; 1 gal. can \$1.50 each, mailing weight 13 lbs.; 5 gal. kegs \$5.25.



## STERLINGWORTH WHALE OIL SOAP WITH TOBACCO

Kills most lice and sucking insects on trees, shrubs, plants, vines and rose bushes.

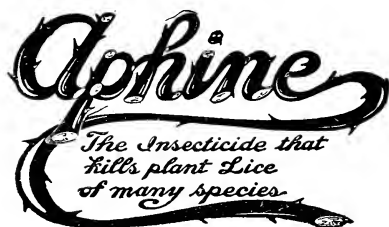
It is a Genuine Whale Oil Soap, made from pure whale oil, the killing values of which are increased by the addition of tobacco and tobacco extractive matter. One pound makes 2 to 5 gallons of spray. Prices: 1 lb. box 35c., mailing weight 2 lbs.; 5 lb. box \$1.35, mailing weight 6 lbs.; 10 lb. box \$2.40, mailing weight 11 lbs.



## STERLINGWORTH GYPSY MOTH CREOSOTE

This is a special creosote preparation for painting the egg clusters of the Gypsy Moth. Do not wait until these egg clusters hatch. Every egg cluster painted before hatching time destroys between two hundred and six hundred eggs.

Prices—1 pt. 40c., 1 qt. 75c., 1 gal. \$1.25.



Full directions for use on each can. 1/4 pt. can 25c., 1/2 pt. 40c., 1 pt. 65c., 1 qt. \$1.00, 1 gallon \$3.00.

## STERLINGWORTH KEROSENE EMULSION



It kills the green plant louse, scale and most soft bodied and sucking insects. Prices: 1 pt. cans 35c. each, mailing weight 2 lbs.; 1 qt. cans 50c. each, mailing weight 4 lbs.; 1 gallon cans \$1.25 each, mailing weight 11 lbs.

## STERLINGWORTH ANT-I-CIDE



A powder for use against ants in lawns and gardens.

One pound covers about 200 square feet. Prices: 1 lb. box 30c., parcel post weight 2 lbs.; 5 lb. tin \$1.25, parcel post weight 6 lbs.

## MELROSINE

The general contact insecticide that kills rosebugs and other insects. Used with any good spray-pump, diluted with from 20 to 25 parts of water. Pleasant and harmless to use.

One pint will make three gallons of spray solution.

Pint, \$1.00; quart, \$1.75; 1/2 gal. \$3.25; gal. \$6.00.



## KEY BRAND CUT WORM KILLER

For Use as Poisonous Bait against Cut Worms and Slugs by placing around plants subject to attack. It has an enticing odor that worms prefer to vegetation.

One pound is sufficient for 100 plants in hills or 75 in rows.

Packed in substantial packages and sift proof boxes.

1 lb. pkg. 35c., 5 lb. pkg. \$1.50.



## COPPER SULPHATE

For Making Home-Made Bordeaux Mixture for Fungicide Purposes. It contains over 99% pure copper which gives a strong and fresh mixture when properly made. It is the kind of material that is only safe to use when a dependable home-made product is desired. The extra cost is so slight when compared with the additional satisfaction of knowing crops are protected in the best possible manner that particular users will buy it every time. Write for price.

PRICES DO NOT INCLUDE PARCEL POST CHARGES

# INSECTICIDES AND FUNGICIDES—Continued

**CORONA CHEMICAL  
COMPANY**

**ARSENATE of LEAD**

**SPRAYING and  
DUSTING MATERIALS**

## “CORONA DRY”

(Arsenate of Lead)

**For Applications with Water on Fruit Trees, Potatoes, etc.**

It has been demonstrated by large and practical usage that “Corona Dry” is the most successful Arsenate of Lead that has ever been produced.

It is the result of an extended period of investigation and research to obtain a powdered product superior to the old paste material and other dry Arsenates of Lead that are now on the market.

It gives an even application, covers more thoroughly and sticks to the foliage longer. It mixes easily and readily in water.

One pound of “Corona Dry” will do the work of three pounds of paste and do it better.

There is no sediment, no lumps left over in the bottom, no waste. It will never clog the spray nozzle. ½ lb. pkg. 25c., 1 lb. pkg. 35c., 4 lb. pkg. \$1.25, 25 lb. pkg. \$4.00.

## “Lion Brand” Lime Sulphur Solution

**For Dormant Spraying of Fruit and Shade Trees.** Also for summer spraying of fruits for all forms of scale insects and for Apple Scab, Strawberry and Asparagus Rust. One gallon makes about 9 gallons for a dormant spray and about 40 gallons for summer spraying. Write for price.

## Dry Lime Sulphur

Used for same purposes and has all the effectiveness of Lime Sulphur Solution and is much easier and far more pleasant to handle. One pound makes 3½ to 5 gallons.

1 lb. 35c., 5 lbs. \$1.50, 10 lbs. \$2.00, 25 lbs. \$4.00.

## “Lion Brand” Powdered White Hellebore

Safe to use when fruit or vegetables are nearly ripe. Used largely for cabbage and currant worms, can be used as a powder or dissolved.

¼ lb. pkg. 25c., ½ lb. pkg. 35c., 1 lb. pkg. 65c.

## Dolge Liquid Weed Killer

**Destroys Weeds in Paths, Roads and Gutters.** Kills roots as well as tops of all weed and grass growths. Easier and less expensive than hoeing and digging by hand. Very effective in walks and cobbled gutters without injury to roadbed. Dilute 1 part Weed Killer to 40 parts of water and apply with sprinkling can or cart.

1 qt. can, 75c., 1 gal. can, \$2.00, 5 gal. can, \$6.50.

## Whale Oil Soap With Tobacco

Used as a wash for trees and plants where insects and eggs affect the bark.

1 lb. 35c., 5 lbs. \$1.35 postpaid.

## “Lion Brand” Tobacco Dust

For dusting green and black aphids, fleas, etc.

1 lb. box 20c., 5 lbs. 60c., 10 lbs. \$1.00, 100 lbs. \$6.00.

## “Lion Brand” Arsenate of Lead Paste

One pound makes about 12 gallons ready to apply. 1 lb. 40c.

## “Lion Brand” Bordeaux Mixture—Powdered

**For Blight, Mildew, Rust, Etc.** It has all the advantages of paste with double the strength. Dilute 1 pound to 6 gallons of water.

1 lb. 40c., 5 lbs. \$1.75, 10 lbs. \$3.00, 25 lb. kegs, \$6.50.

## “Lion Brand” Paris Green

A poisonous powder **For Leaf-eating Insects.** Use four to six ounces to fifty gallons of water. Or two teaspoonfuls to one gallon of water.

¼ lb. 20c., ½ lb. 35c., 1 lb. 65c.

## Key Brand Tree Wound Paint

**PREVENTS DECAY AFTER PRUNING.** This residuum, penetrating antiseptic paint is not affected by heat, cold or moisture. Does not peel, crack or get brittle. Stops tree bleeding.

1 qt. cans \$1.25, 1 gal. cans \$2.50

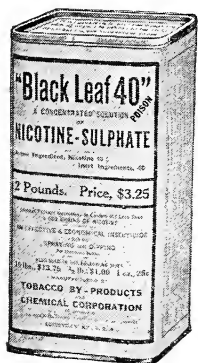


# SCALECIDE THE COMPLETE DORMANT SPRAY

It keeps trees clean and healthy, and effectively takes care of the leaf roller, bud moth, case bearer, San Jose scale, and all kinds of scale. Write for special catalogue.

Qt. 60c., gal. \$1.45, 5 gals. \$6.45, 10 gals. \$11.00, 30 gals. \$26.00, 50 gals. \$38.00.

# INSECTICIDES AND FUNGICIDES—Continued



## "BLACK LEAF 40"

A concentrated nicotine solution. Highly recommended by spraying experts for destroying aphids, thrips, etc., without injury to foliage. Soluble in water; no clogging of nozzles.

Spraying directions on each package.

1 oz bottle 35 cts., ½-lb. can \$1.25, 2-lb. can \$3.50, 10-lb. can \$13.50.

**NICO-FUME (Liquid).** Used as a spray or as a vapor. Does not stain nor injure blooms. ¼ lb. can 75c. 1 lb. can \$2.35, 4 lb. can \$8.50, 8 lb. can \$16.50.

**NICO-FUME (Tobacco Paper)**—For fumigating. Does not injure blooms. In tins, 24 sheets, \$1.35; 144 sheets, \$6.00; 288 sheets, \$11.00.

**FUNGINE.** An infallible remedy for mildew and other fungus diseases. ½ pt. 40c., pt. can 65c., qt. can \$1.00, gal. \$3.50.

**SULPHUR** For mildew on grape vines and other plant foliage. Lb. 10c., 5 lbs. 40c.

**Aphis Killer** for use against Aphis sucking insects and spiders on fruit trees, shrubs, vines, etc. Pint can 25c.



Tree Tanglefoot

## Tree Tanglefoot

A sticky compound for painting around the trunks of trees, in the form of a band, the most effective and economical protection against crawling insects. Caterpillars and other crawling pests cannot get over it.

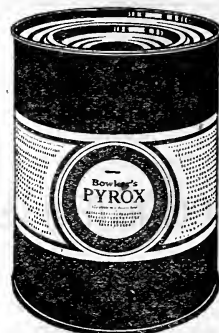
1 lb. 50c., 5 lbs. \$2.25, 10 lbs. \$4.25.

## PYROX—(Bowker's)

Kills all leaf-eating insects, destroys fungus growth, blight and rot. Use it on fruits and vegetables, particularly apples, potatoes and tomatoes.

Sticks to foliage; rains do not wash it off. All ready to use by adding water.

1 lb. 40c., 5 lbs. \$1.50, 10 lbs. \$2.50, 25 lbs. \$5.75, 50 lbs. \$10.00, 100 lbs. \$18.00.



## FORMALDEHYDE—(Liquid)

For destroying the germs that affect animal and plant life; also as a preventive for potato scab. Dilute one pound in forty gallons of water.

1 lb. bottle, 50c.



## Hall's Nicotine Fumigator

An efficient insecticide prepared especially for fumigating greenhouses. Destroys plant lice and similar soft bodied insects.

2½ lb. cans \$2.50 each.

# LA-LO ANIMAL SPRAY

Endorsed by many leading Agricultural Colleges and Dairymen.

LA-LO ANIMAL SPRAY IS INVISIBLE, even on white cattle. Has a mild, pleasant odor. Will not gum the hair. Will not irritate or blister. Will not taint milk—even if used freely at milking time. Assists in keeping cows free from flies and mosquitoes in summer and lice in winter. 1 Gal. Can \$1.75.

PRICES SUBJECT TO MARKET CHANGES



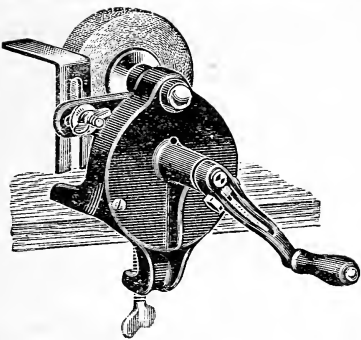
**Bug Death Aphis.** For sucking insects, lice, aphis, flea beetles, and fungus, this preparation is offered. There is no place where it can work injury. Specially recommended for the health of all house plants, as it is absolutely free from all forms of arsenic. 12 oz. pkg. 20c., 10 lb. pkg. \$1.25, 80 lb. drums \$8.50, 150 lb. drums \$16.00.



Pat. March 16 and Nov. 9, 1897.

**Bug Death.** A non-poisonous powder. Destroys potato, squash, and cucumber bugs, currant and tomato worms; safe to handle. Contains no Paris Green or Arsenic. Apply dry or in water. 1-lb. package 20c., 3-lb. package 45c., 5-lb. package 65c., 12½-lb. package \$1.25, 100-lb. keg \$8.50.

## Luther TOOL GRINDERS



### HAND TOOL GRINDERS

These hand tool grinders are suitable for general utility work around the home, shop or farm.

Heavy one-piece case, helical gears, adjustable work rest and genuine DIMO-GRIT wheel.

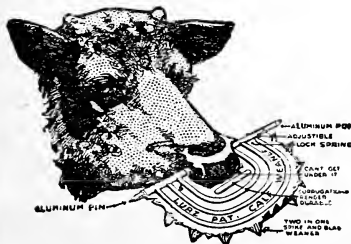
No. 24 4 x 1" wheel \$3.00 postpaid

No. 25 5 x 1" " 3.50 "

No. 26 6 x 1" " 5.00 "

No. 27 7 x 1" " 6.00 "

No. 306. Power Grinder, \$7.00 postpaid.



### The Lurz Calf Weaner

Simple to Fasten, Easy to Remove,  
Most Efficient and Humane.  
Price 50c. postpaid.

### Handy 2-in-1-Ladder

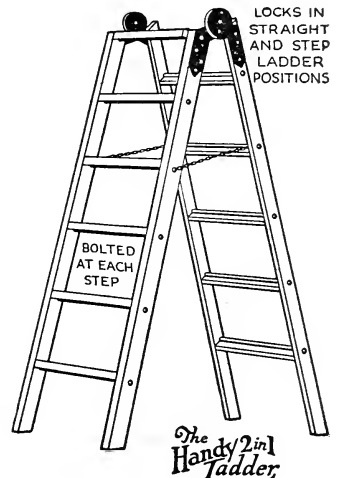
Made in following Sizes

4 foot step ladder or 8 foot straight,  
\$2.60 each.

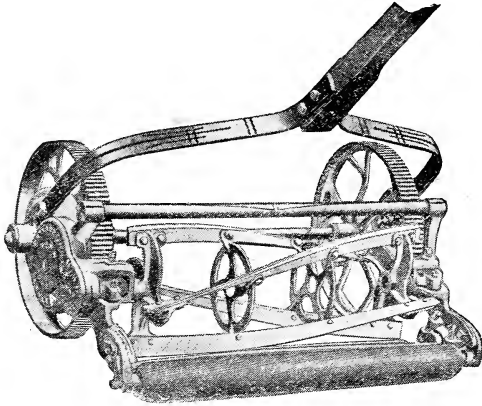
5 foot step ladder or 10 foot straight,  
\$3.25 each.

6 foot step ladder or 12 foot straight,  
\$3.90 each.

8 foot step ladder or 16 foot straight,  
\$5.20 each.



# LAWN MOWERS

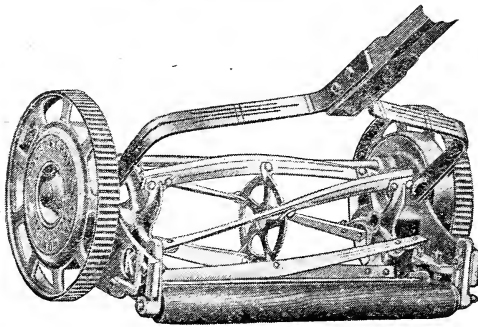


## GENUINE "PHILADELPHIA" STYLE A

All Steel. Cylinder with 4 blades. Driving Wheel, 10 inches. Diameter of Cylinder,  $6\frac{5}{8}$  inches. Train of 3 Gears on one side. Double Ratchet.

This mower meets the most exacting demands and it is a fact that there are more style "A" all steel mowers cutting grass in public and private parks, cemeteries and golf links than all other makes combined. Being all steel it is practically indestructible. Has self-oiling oil cups and Vanadium Crucible steel blades.

Prices—15 inch, \$22.00, 17 inch, \$25.00, 19 inch, \$28.00, 21 inch, \$30.00.

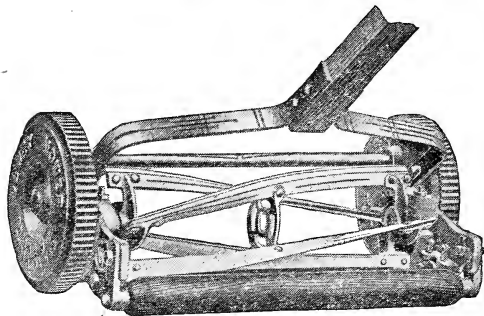


## GENUINE "PHILADELPHIA" STYLE K

Cylinder with 5 blades. Driving Wheel, 10 inches. Diameter of Cylinder,  $6\frac{5}{8}$  inches. Single Pinion. Geared both sides.

A splendid general purpose mower for hard knocks, equipped with patented roller bearings which never get out of alignment. Single pinion gears on each side.

Prices—14 inch, \$18.50, 16 inch, \$20.50, 18 inch, \$22.50, 20 inch, \$24.50.



## GENUINE "PHILADELPHIA" STYLE DEWEY

Cylinder with 4 blades. Driving Wheel, 8 inches. Diameter of Cylinder,  $5\frac{1}{8}$  inches. Single Pinion. Geared both sides.

A strictly high-grade lawn mower, preferred by owners of small lawns. It has 8-inch solid drive wheels. Bearings are bored to extreme accuracy. Geared both sides with single pinion. Vanadium Crucible steel blades.

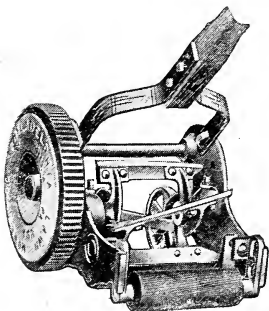
Prices—12 inch, \$10.00, 14 inch, \$10.50, 16 inch, \$11.00, 18 inch, \$11.50.

## GENUINE "PHILADELPHIA" LAWN TRIMMER

Cylinder with 4 blades. Driving Wheel, 8 inches. Single Pinion. Cuts within  $\frac{1}{4}$  inch of Edge. Diameter of Cylinder,  $5\frac{1}{8}$  inches.

An efficient and complete lawn trimmer, built for durability and service. Positively cuts smoothly to  $\frac{1}{4}$  inch of wall, post, tree or fence. Used in cemeteries, parks and large estates. Vanadium Crucible steel blades. Use of shears or sickle unnecessary.

Price, \$7.00.



## AUBURN ELECTRIC BALL BEARING

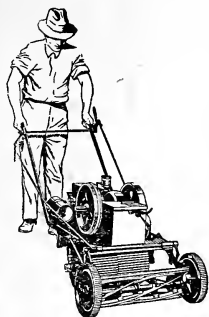
This mower is fitted with Ball-Bearing Adjustment and high-grade hardened steel balls, cups and cones.

Prices — 16 inch, \$11.50, 18 inch, \$12.50.

"FINE LAWNS KEPT FINE"

# IDEAL Power Lawn Mowers

"THERE'S AN IDEAL MOWER FOR EVERY NEED"



## IDEAL JUNIOR 22 INCH

The Ideal Junior is just the mower for small lawns and also for use in cemeteries and on other lawns where there is much shrubbery or similar obstructions.

It cuts  $\frac{1}{2}$  acre hourly and does the work of from 3 to 4 men with hand mowers. It is simple and reliable and can be operated by anyone.

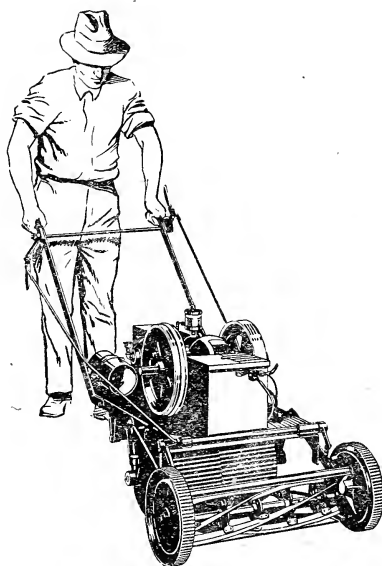
It is a roller-mower and rolls as it cuts and, in fact, is patterned after its big brother the 30 Inch. The cutter can be lifted instantly to cross walks, etc.

We frequently equip this model with a 7 blade cutter for mowing golf putting greens. It cuts costs 50% over the hand method of mowing putting greens.

## THE IDEAL 30 INCH

The 30 inch Ideal cuts  $\frac{3}{4}$  acre hourly and does the work of from 5 to 6 men with hand mowers. For parks, private estates and lawns of similar size, it has no equal.

It rolls the lawn as it cuts it, making separate rolling unnecessary.



Ideal Mowers are fully guaranteed by the manufacturers and more are in use throughout the country today than all other makes of power mowers combined.

We have sold a great many during the past few seasons and know that they give excellent satisfaction in every instance.

## IDEAL POWER TRIPLEX 84 INCH CUT

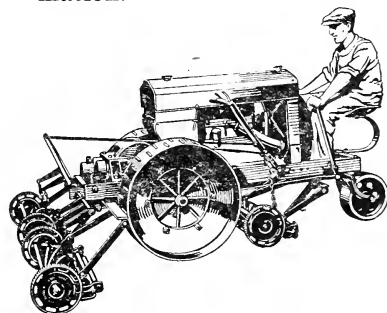
This model is for use on golf fairways, large parks and lawns of similar size. It actually cuts more lawn in a given time than any other outfit on the market.

It is simple and compact . . . built and designed for the purpose it serves. It is power steered and equipped with cutting units that are **real cutters** . . . designed for power work . . . and equipped with Timken Roller Bearings.

The cutting units can be lifted by the operator without leaving his seat. The machine turns about in its own length.

Don't buy until you have investigated the Ideal.

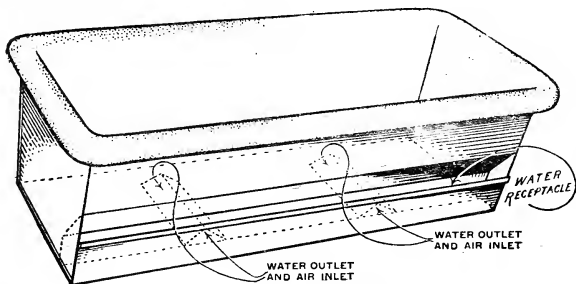
**Ask Us for Names of Users, Prices and Complete Information.**



**WE ARE STATE DISTRIBUTORS FOR IDEAL MOWERS**

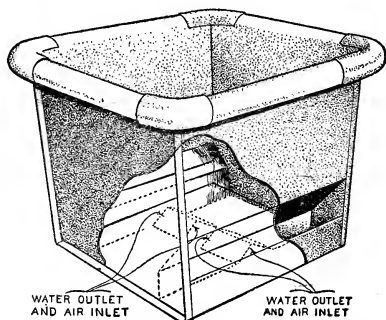
## GALVANIZED STEEL PLANT BOX

This box has a patented bottom which gives the plants perfect drainage, and at the same time does not leak. The water receptacle runs full length of the box, and gives the roots a plentiful supply of clean water. It is made of strong, galvanized iron, neatly enameled in dark green. Convenient and practical for indoor or outdoor use. No staining of paint or disfiguring in any way.



Length	Width	Depth	Each	Length	Width	Depth	Each
24 in.	8½ in.	6½ in.	\$1.30	36 in.	8½ in.	6½ in.	\$2.50
30 "	8½ "	6½ "	1.70	48 "	8½ "	6½ "	3.50

## GALVANIZED STEEL PLANT TUB



Made on the same principle as the Plant Box

Length	Width	Depth	Price
12 inches	12 inches	8½ inches	\$2.00 each
14 "	14 "	10½ "	2.50 each

## STIM-U-PLANT

### PLANT STIMULANT TABLET

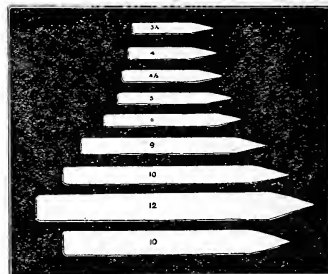
Trade Mark Registered U. S. Patent Office

### KEEP YOUR HOUSE PLANTS FRESH AND GREEN

On all your blossoming plants you can have an abundance of the finest and sweetest scented flowers of the most intense and vivid colors, and the growth, color and quality of all your foliage plants will be quickly and wonderfully improved, if you give them Stim-U-plant.

Easy to use. Simply insert tablet in soil near base of plant, or dissolve tablet in quart of water. 30 tablets, 25c., 100 tablets, 75c. postpaid.

## WOOD LABELS



			100	Plain 1000	Painted 1000
4	inch.	Pot labels	\$0.20	\$1.15	\$1.60
4½	"	"	.25	1.30	1.75
5	"	"	.30	1.50	1.95
6	"	"	.35	1.90	2.35
10	"	"	.75	4.20	5.40
12	"	"	.90	5.20	6.60
8	"	Garden labels	.80		6.00
10	"	"	1.00		7.50
12	"	"	1.25		10.50
3½	"	Tree labels, copper wired	.25	1.95	2.20

## PLANT STAKES

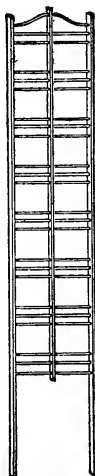
For Greenhouse or Garden use.  
Square. Painted green

	Each	Doz.	100
1½ feet	\$0.03	\$0.30	\$ 2.00
2 "	.04	.45	3.50
2½ "	.06	.70	5.00
3 "	.08	.90	7.00
3½ "	.12	1.20	8.50
4 "	.15	1.50	11.00
5 "	.20	2.10	16.00
6 "	.25	2.50	18.00

## VERANDA TRELLISES

Made of Wood and Rattan, painted green

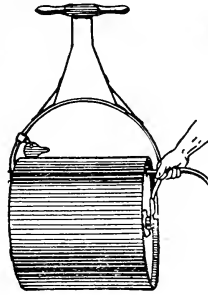
2	feet	\$1.00	each	\$11.00	per dozen
3	"	1.25	"	14.00	" "
4	"	1.75	"	18.00	" "
5x1½	"	2.25	"	25.00	" "
6x1½	"	2.75	"	30.00	" "
7x1½	"	3.25	"	36.00	" "
8x1½	"	3.75	"	40.00	" "
9x1½	"	4.25	"	45.00	" "
10x1½	"	4.75	"	50.00	" "
11x1½	"	5.25	"	55.00	" "
12x1½	"	5.75	"	60.00	" "



## RUBBER GARDEN HOSE



We carry the best grades in rubber and cotton hose in 25 and 50 ft. lengths, coupled—Prices quoted on application.

BIRCH'S "WATER-BALLAST"  
BALL BEARING ROLLERS

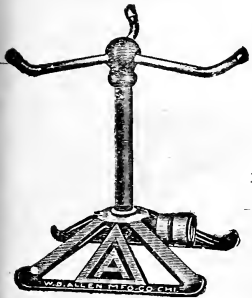
Can be made to vary in weight, depending upon the amount of water placed in the drums, which operation can be made by simply using an ordinary garden hose.

When the ground is soft they may be used empty, and in dry weather when all others are useless, they can be filled and worked to advantage.

Case hardened Ball Bearings guaranteeing easy running.

Counter balance weights each side, keeps the handle always up-right when not in use.

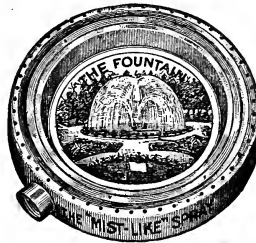
No.	Diam. Inches	Length Inches	Sec- tions	Weight Empty	Filled with Water	Price
601	14	20		60 lbs.	160 lbs.	\$20.00
602	18	24		75 "	330 "	23.75
603	24	24		100 "	440 "	27.25
604	24	32		115 "	590 "	29.50

"Mayflower"  
Lawn Sprinkler

On sled base; 3-arm revolving.

Price, \$1.50.

By Parcel Post, \$1.65. **Fountain Lawn Sprinkler**



Made of heavy brass.  
Price, 75c., by Parcel  
Post, 80c.

New Boston Hose"  
Nozzle

Will throw a coarse or fine spray or a large or small stream as may be desired

Price, 75c., by Parcel Post, 80c.

The "Crescent"  
Lawn Fountain  
Sprinkler

It throws all the water to the front and sides.

Price, 50c., by  
Parcel Post, pre-  
paid, 55c.



## "Square Fountain"

As gentle and even as rain drops. Extra heavy brass. Built to stand the knocks. Price, 35c. By Parcel Post, pre-paid, 40c.

Perfect Clinching  
Hose Mender

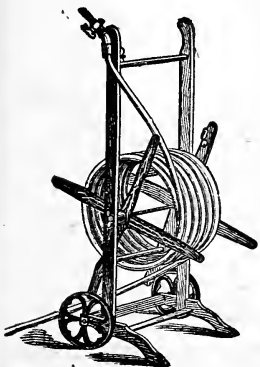
It leaves the hose as smooth and strong and tight as a new hose.

½ and ¾-inch,  
each 15c. Doz. \$1.50.

## Watering Pots

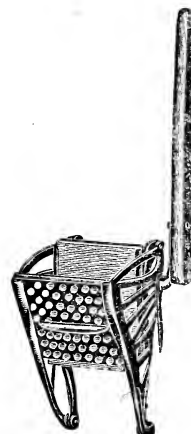


4 quart Galvanized Iron,	\$ .80 each
6 quart Galvanized Iron,	.85 each
8 quart Galvanized Iron,	1.00 each
10 quart Galvanized Iron,	1.15 each
12 quart Galvanized Iron,	1.50 each
16 quart Galvanized Iron,	1.75 each
20 quart Galvanized Iron,	2.25 each



## Hose Reel

Wood, \$1.00 each  
All iron, \$2.00 and \$2.50

WHITE'S  
MOP  
WRING-  
ERS

They wring with perfect ease.

Wring quickly; fit any kind and size of pail; require no fastening.

Family size,  
Each, \$2.25.

Hotel size,  
Each, \$3.50.

Standard  
Pruner

## STANDARD TREE PRUNERS

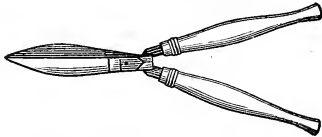
Waters' Pattern

8 feet long, price each	\$0.85
10 " " " "	.90
12 " " " "	1.00
14 " " " "	1.10
16 " " " "	1.15
Extra Blades	.25

### TELEGRAPH PRUNERS With Socket for Handle

Each ..... \$1.00

### HEDGE SHEARS

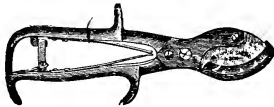


8 in. \$2.25; 9 in., \$2.50; 10 in. \$2.75;  
12 in., \$2.25. With notch, 25c. extra

### BUDDING AND PRUNING KNIVES

50c., 75c., \$1.00 each.

### PRUNING SHEARS



Taylor Pattern, with coil spring, 9 inches	Each \$0.60
California Pattern, with volute spring	
9 inches,	" .85
Swiss Pattern, polish, 9 inches	" 1.75
Levin Pattern, 7 inches,	" .50
Sent by parcel post, prepaid.	

## ASBESTOS TORCH

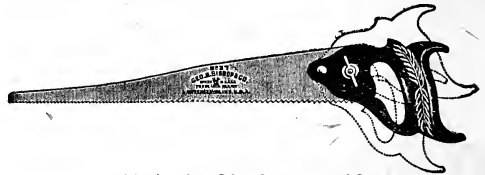
It will be found exceedingly effective in destroying nests of caterpillars, so destructive to fruit and shade trees. Attach the torch to the end of a pole of suitable length; saturate with kerosene oil, light and hold under the nests.

Price, 25c.

By Mail, 35c.



## UNIVERSAL PRUNING SAW



18 inch, \$1.75 postpaid



The best on the market.  
¼ lb. pkg. 15c.; ½ lb. pkg. 25c.; 1 lb. pkg. 40c.

## WIRE FRUIT PICKER GARDEN LINE REEL

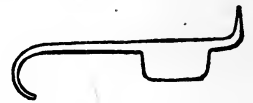


Each, 60c.



Price, \$1.75

## GRAFTING CHISEL



Made from the finest cast steel.  
Price, each, 75c.

## STEP LADDERS

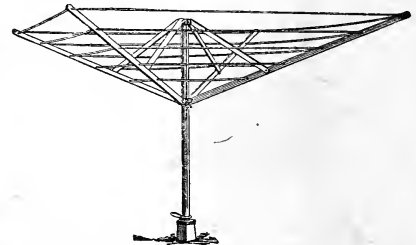


Hub,	per foot	75c.
Challenge,	" "	80c.
Imperial,	" "	75c.

## GARDEN LINES



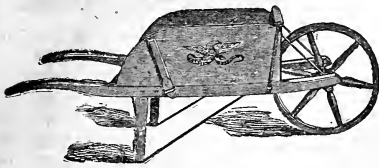
Italian Hemp, 100 feet - \$1.25



## MAINE OUTDOOR CLOTHES DRYER

No. 20.	120 ft. line,	Each	\$7.00
No. 25.	160 ft. line,	Each	7.50

PRICES QUOTED IN CATALOGUE ARE SUBJECT TO CHANGE WITHOUT NOTICE



## WHEEL BARROWS

For Farm and Garden Use

**A. S. L. Garden.** This Barrow is made from the best seasoned timber. The end of the bottom is cut into the back sill, thus preventing the splitting or breaking of the bottom boards. The wheel has a cast iron hub with white oak or ash spokes and rims. The axle is wrought iron, with turned arbors.

Price: No. 4, \$8.00

No. 6, \$8.50

## GARDEN HOES



Socket, each,	\$1.10
Shank, each,	1.00
Corn, each,	1.10

Meadow, each,	\$1.10	Boys', each,	.85
Warren, each,	1.25	Ladies', each,	.75
Onion, each,	1.10		

## SCYTHE SNATHS



No. 50 Regular Scythe, .....	\$1.50
No. 100 Bush .....	1.75

## SCYTHES



Little Giant, Solid	Heavy Bush, .....	\$1.75
Steel .....	Bramble, or Light	
Conquerer .....	Bush .....	1.75

## SCYTHE RIFLES

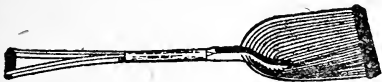


Meadow King, 15c. Farmers' Friend, 15c.

## SCYTHE STONES



Crescent, .....	.15
Black Diamond, fine, .....	.20
Carborundum, .....	.30



Wire Vegetable Scoop Price 75c.

## Boothby Toothed Hoe



Price, each, \$1.50

## Arlington Scuffle Hoe



8 in. and 9 in. blades.  
Each, \$3.50

## Potato Hooks

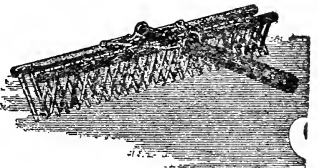


5 Tine. Each,	\$1.25
6 Tine. Each,	1.35

## Automatic Self-Cleaning Lawn Rake

A backward motion of the operator will clean all the teeth at once, thus avoiding cleaning the teeth with the fingers.

26 teeth,	\$1.75
52 teeth,	2.25



## IRON AND STEEL GARDEN RAKES



14 tooth, Malleable Iron,	\$0.60
12 " Steel	.90
14 " "	1.10
16 " "	1.25
16 " " Gravel	1.25
18 " " "	1.50

## GIBBS' LAWN RAKE

Made of heavy tinned steel wire. These are excellent for lawn or walk work.

24 tooth.	Each, 40c.
36 tooth.	Each, 50c.

Scuffle Hoe  
8 in., \$1.15



## MANURE FORKS

With strap Ferules.



4 Tine D handles,	\$1.60
5 Tine D handles,	1.90
6 Tine D handles,	2.15



Wood Lawn Rakes  
28 teeth.  
Each, 90c.

## HAY FORKS



2 and 3 tines, \$1.00 to \$1.25

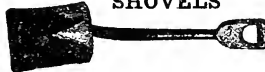
## SPADING FORKS

With strap Ferules.



4 Tine D handles,	Each, \$1.70
4 Tine long handles,	Each, 1.60

## SHOVELS



D Handle, Square or Round Point. Long Handle, Square or Round Point.  
Each, \$1.25, \$1.50 and \$1.75

## SPADES



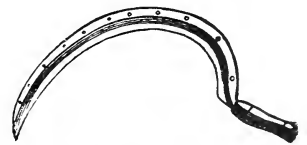
D Handle. Each,	\$1.50
Long " "	1.35
Ames' Best " "	2.00



Border or Edging Knife

Long handle.	Each, \$1.15
D handle.	Each, 1.35

## GRASS HOOKS



Meadow King, each, 35c.  
Nolan, each, 85c.

## STANDARD FLOWER POTS



Earthenware					
	Each	Doz.		Each	Doz.
2 inch	\$.02	\$.20	8 inch	\$.30	\$ 2.75
2½ "	.03	.25	9 "	.45	4.00
3 "	.05	.40	10 "	.60	5.40
3½ "	.06	.45	11 "	.80	8.25
4 "	.07	.50	12 "	1.50	14.25
5 "	.09	.85	14 "	1.75	
6 "	.12	1.20	16 "	4.00	
7 "	.25	2.00	18 "	6.00	
			20 "	7.50	

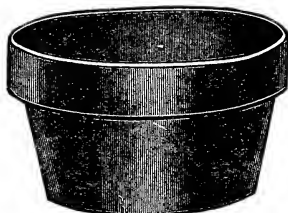
Inside measurement, width and depth equal

## FLOWER POT SAUCERS

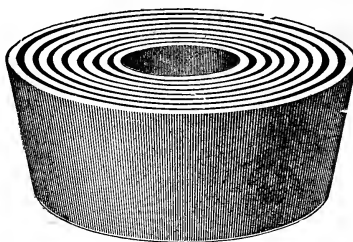
3 inch	\$.03 ea.	\$.30 doz.
3½ "	.04 "	.30 "
4 "	.04 "	.36 "
5 "	.05 "	.50 "
6 "	.07 "	.65 "
7 "	.09 "	.87 "
8 "	.12 "	1.20 "
9 "	.15 "	1.75 "
10 "	.30 "	2.00 "
11 "	.30 "	2.50 "
12 "	.35 "	3.00 "
14 "	.60 "	6.00 "

## BULB PANS

Earthenware



	Each	Doz.		Each	Doz.
4 inch	\$.06	\$.50	8 inch	\$.30	\$3.00
5 "	.07	.75	9 "	.45	4.50
6 "	.15	1.50	10 "	.60	6.00
7 "	.25	2.00	12 "	1.50	13.00



## FERN PANS

Earthenware

Size	Each	Doz.
4 x 17 1/8 inches	\$.08	\$.65
4 3/8 x 2 1/8 "	.10	.85
5 1/8 x 2 1/8 "	.12	1.10
6 1/8 x 2 1/8 "	.15	1.25
7 x 2 3/8 "	.16	1.50
8 x 3 1/8 "	.20	2.00

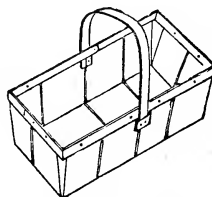
## VERBENA BASKETS

## NEPONSET PAPER FLOWER POTS

The Neponset Paper Flower Pot is a waterproof paper pot made from a tough fibre paper, and is especially adapted to the florist, gardener and nursery trade.



Size	Doz.	100
2¼ inch	\$.10	\$.50
2½ "	.12	.60
3 "	.15	.90
3½ "	.18	1.00
4 "	.25	1.25
5 "	.30	1.75
6 "	.40	2.25



Size—12 inches long, 7 inches wide, 4 inches deep.

Adjustable wooden handles, with tin fastenings on the ends.

Per 100, \$4.00; per 1,000, \$35.00

Size—10 inches long, 5 inches wide, 3 inches deep.

Adjustable wooden handles, with tin fastenings on the ends.

Per 100, \$3.00; per 1,000, \$27.00

Size—10 inches long, 5 inches wide, 3 inches deep  
Wire handle attached.

Per 100, \$3.00; per 1,000, \$27.00

## RAFFIA



For tying plants. Superior to twine for bunching asparagus, celery, etc.

Price per lb., 25c.

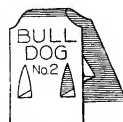


## THE TIME-SAVER BERRY BOX HOLDER

Use both hands picking berries. Saves time enough to pay for itself in a few hours.

Pint size weighs 2½ oz. Price each \$0.40

Quart size weighs 3 oz. Price each .45



Exact Size  
net weight 2  
oz. per 1,000  
clips.

## The Florist's Bull Dog Package Clip

Made of tempered steel, polished, unsurpassed for Florist's use, easily and quickly adjusted. Saves its cost in time and labor many times over.

Packed in Boxes of 1,000—price, 65c. per thousand. By mail, postpaid, 75c.

PRICES DO NOT INCLUDE PARCEL POST CHARGES

## NORCROSS CULTIVATOR HOES



**MIDGET NORCROSS.** Short handle for hand work.  
Price, 40c.

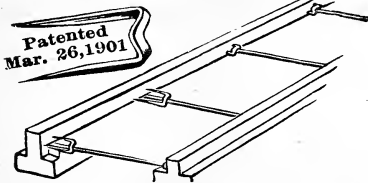
**3-PRONG NORCROSS.** Light and can be used by women and children.

Price, 85c.

**5-PRONG NORCROSS.** The standard size. A wonderfully useful tool. Every man with a garden should have one.

Price, \$1.25

**"PEERLESS" GLAZING POINT.**  
(Improved Van Reyper.)



**PEERLESS GLAZING POINTS.** Made of steel wire and galvanized.

Price, box of 1,000, 75c.; by mail 85c.

## GRASS SHEARS



Lightning, 35c.; Sure Clip, 35c. each  
Parcel Post Weight, 1 lb.

## GARDEN TROWELS



No. 809

No. 25 Eagle.....15c.  
No. 809 Solid Steel.....25c.  
No. 100 Socket Pattern.....40c.  
Keystone 6 inch.....75c.

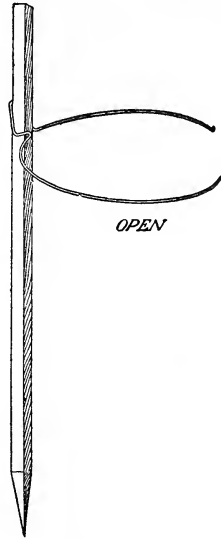


Steel Transplanting Fork.....45c.  
Iron Transplanting Fork.....15c.



Excelsior Weeder.....20c.

## "Adjusto" Plant Support



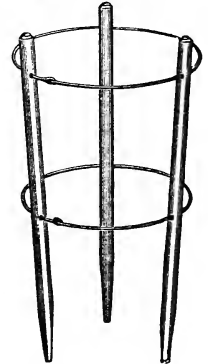
The "Adjusto" is a very simple, unbreakable, practical and cheap support which will last a life time.

It is adjustable in a "jiffy" to any height, to conform to the plant's growth. It is indispensable for Tomatoes, Roses and Dahlias. In fact everything on the lawn or the garden that needs a support.

The stake is made of hard wood having a protecting coat of green paint.

Price, 18c. each; \$1.75 per Doz.

## FOLDING TOMATO SUPPORT



## HOTBED MATS



**STRAW.** Made by hand of rye straw. Size 6 x 6 ft., each, \$3.50.

Larger quantities, write for prices.

34 inches high. 20 inches in diameter at the top.

Price—per dozen \$3.50

## ASPARAGUS KNIFE



Made of Solid Steel

Goodell Double Point, P. P. Weight 1 lb.

Each 40c.



Lang Weeder 30c. By Mail 35c.



Haseltine Weeder 25c. By Mail 30c.

PRICES DO NOT INCLUDE POSTAGE OR EXPRESS CHARGES

## AGENTS FOR LISTER'S STANDARD FERTILIZERS

A FERTILIZER FOR EVERY CROP AND DIFFERENT SOIL REQUIREMENTS

BRANDS	GUARANTEED ANALYSIS		
	Ammonia	Ava. P. A.	Potash
Lister's Universal Phosphate .....	1	8	2
Lister's Success .....	2	8	2
Lister's Corn & Potato .....	2	8	3
Lister's Eastern Pride .....	3	8	4
Lister's 4—8—4 .....	4	8	4
Lister's Potato Manure .....	4	8	7
Lister's 10% Potato Gröwer .....	4	6	10
Lister's Grass & Lawn Top Dressing ....	6	6	4
Lister's High Grade Potato Fertilizer ...	5	8	7
Lister's 5—7—10 .....	5	7	10

Write for Fertilizer quotations.

## Sheep's Head Brand Pulverized Sheep Manure

We underline **Sheep's Head Brand** because there is a great difference in commercial sheep manures as in commercial fertilizers

Sheep's Head Brand is the best, both by test and reputation, of any brand on the market. It costs more and is worth more. Our trade now insists on the Sheep's Head Brand.

A complete natural fertilizer, supplying all the necessary plant food elements—Nitrogen, Phosphoric Acid and Potash—in combination with organic matter or humus, and it is this natural combination that produces the peculiar action and effect in the soil which can only be had from animal manures. It can be used without fear of weeds and foreign grasses that always follow the application of ordinary stable manures.

For the lawn there is nothing better than sheep manure, and its convenience makes <sup>TRADE</sup> it the logical fertilizer. There is no straw or other refuse in it as is always the case with crude manures. Barnyard manure should never be applied to a lawn, as it usually contains seeds of noxious weeds, which germinate and grow. A few weeks will show surprising results.

Its use on the vegetable garden will double the yield and insure better vegetables, also hurry the growth for earlier table use. Probably the best way to use it is to scatter it broadcast, harrowing or raking it lightly but reserving a little to use in the hills or drills. Then the young plants will have some nourishment close at hand to give them a good start.

Sheep manure is probably more largely used in greenhouse growing of flowers and vegetables for market than any other fertilizer, because it is safe, and can be relied upon for quick, sure results. It is unequalled for either dry or liquid top-dressing, especially for carnations, chrysanthemums, asters, and other hardy floral crops

5 lbs. 35c., 10 lbs. 50c., 50-lbs. \$1.75, 100 lbs. \$3.25.



**Write for prices on**

**AGRICULTURAL LIME**

**ACID PHOSPHATE**

**NITRATE OF SODA**

**PURE GROUND BONE**

### POTTING SOIL

Rich black loam prepared for potting plants.  
Prices: ½ pk. 20c., pk. 35c., ½ bu. 60c., bu. \$1.00.

### STERLINGWORTH PLANT TABLETS

A concentrated plant invigorator. Makes house plants bloom luxuriantly. Dissolve in water and water soil. No odor. Clean, easily used. Prices: 10c., 25c., and 50c., postpaid.



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